



Control cabinet technology

CABINET add-on

CABINET add-on stands for innovative control cabinet technology from Phoenix Contact. The installation of switchgear and control cabinets need not be time and space-consuming if suitable assembly equipment is used and the right tool is selected. Phoenix Contact offers a comprehensive product range for this.

The automation of individual activities is a logical answer to increased costs for control cabinet construction. Especially the automatic devices from Phoenix Contact allow optimum preparation of cables and conductors for the effective wiring of your systems.

Covers and shield clamps from Phoenix Contact guarantee the necessary safety for both the user and the system.

The cable entry system rounds off the product range and allows you to run pre-assembled conductors into the control cabinet safely and without a great deal of space.

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Professional cutting



Professional stripping off



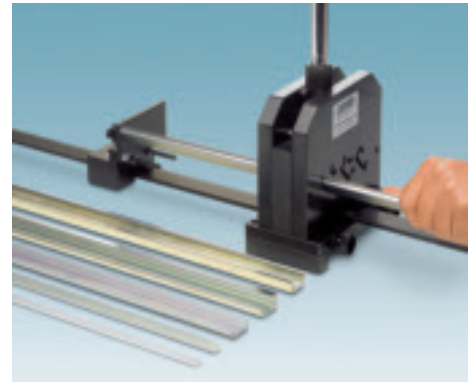
Professional crimping with forces reduced by up to 25%



An optimum cable cutter is available for every application. Different designs allow the professional processing of conductors and wires of up to 100 mm diameter. All parts that are under a particular strain are tempered or specially hardened.



An extensive range of combination tools is available for the universal use. The safety tools equipped with 2-component anti-skid handles are VDE-tested and marked as per DIN EN 60900.



Profile cutters are available for the quick, burr-free and non-cutting processing of DIN rails and cable ducts. An optionally usable hydraulic unit automates the manual DIN rail cutter.



All types of conductors and wires can be stripped off quickly, precisely and safely using the stripping tools. The adjustment to the respective conductor cross-section is automatic.



The WIREFOX-D SHIELD stripping pliers allow the easy creation of cable cutouts and conductor pick-offs. These pliers are optimally suitable for stripping off shielded cables.



The extensive range of professional crimping pliers facilitates the processing of all contact types of up to 120 mm². The innovative design and ergonomically shaped handles reduce the required forces by up to 25%.



The CRIMPFOX-M universal crimping pliers allow the processing of different contacts thanks to replaceable dies. The dies can be replaced easily and quickly without the need for an additional tool.



With their precise torque setting option, the torque screwdrivers and battery-powered screwdrivers are optimally adapted to the screw terminal block range from Phoenix Contact. A variety of hard and tough BIT screw inserts allow universal use.



The multimeters, clip-on ammeters and voltage testers are high-quality measuring tools that have been tested and approved in accordance with the nationally and internationally applicable standards.

Cable cutters

Phoenix Contact has the perfect cable cutter for every application. There are different designs for processing cables of a conductor diameter up to 100 mm (up to 1400 mm²).

All parts of the cable cutters that are under particular strain are tempered or especially hardened.



CUTFOX 12



CUTFOX 18

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable cutter , for copper and aluminum of up to 12 mm Ø (up to 35 mm ²)	CUTFOX 12	1212128	1			
Cable cutter , angled, for copper and aluminum of up to 18 mm Ø (up to 50 mm ²)				CUTFOX 18	1212129	1
Front cable cutter , for copper and aluminum up to 25 mm Ø (up to 185 mm ²)						
Front cable cutter , with ratchet function, for copper and aluminum of up to 35 mm Ø (up to 300 mm ²)						
Ring cable cutter , with ratchet function, for copper and aluminum of up to 45 mm Ø (up to 300 mm ²)						
Ring cable cutter , with ratchet function, for copper and aluminum of up to 52 mm Ø (up to 300 mm ²)						
Two-hand ring cable cutter , with ratchet function, for copper and aluminum of up to 62 mm Ø (up to 750 mm ²)						
Two-hand ring cable cutter , with ratchet function, for copper and aluminum of up to 100 mm Ø (up to 1400 mm ²)						



CUTFOX ...



CUTFOX ...



CUTFOX ...



Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
CUTFOX 25	1212130	1						
CUTFOX 35	1212131	1						
			CUTFOX 45	1212132	1			
			CUTFOX 52	1212133	1			
						CUTFOX 62	1212134	1
						CUTFOX 100	1212135	1

Cutting tools for special applications

The CUTFOX FBS cutting tools are suitable for disengaging individual bars of the FBS ... plug-in bridges from the CLIPLINE complete modular terminal block range. Screw bridges are cut without crushing with the CUTFOX FB.



CUTFOX-FBS



CUTFOX FB

Ordering data

Description
Cutting tool , for separating individual jumper bars from plug-in bridges FBS...-4, FBS...-5, FBS...-6, FBS...-8 and insertion bridges EB...
Cutting tool , for cutting fixed bridges from FBI 10-6 to FBI 10-12
Cutting capacity single/multiple/fine strand: 6/10/25 mm ²

Type	Order No.	Pcs. / Pkt.
CUTFOX-FBS	1212124	1

Type	Order No.	Pcs. / Pkt.
CUTFOX FB	1205985	1

VDE cutting tools

The VDE-tested cutting tools are made up of high-quality special tool steel. The inductively hardened cutting ensures long-term cutting power and thus a clean cut in soft as well as hard wires.



CUTFOX ... VDE



CUTFOX-... VDE

Ordering data

Description
Cable cutter , precision cut with macro toothing, for copper and aluminum of up to 16 mm Ø (up to 50 mm ²), VDE 1000 V AC/ 1500 V DC tested
Cable cutter , precision cut with macro toothing, for copper and aluminum of up to 25 mm Ø (up to 70 mm ²), VDE 1000 V AC/ 1500 V DC tested
Power side cutter , with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested
Diagonal cutter , with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested

Type	Order No.	Pcs. / Pkt.
CUTFOX 16 VDE	1212126	1
CUTFOX 25 VDE	1212127	1

Type	Order No.	Pcs. / Pkt.
CUTFOX-SP VDE	1212206	1
CUTFOX-S VDE	1212207	1

VDE combination pliers

The ergonomic manual tools have a positive effect on the holding and cutting power due to the favorable translation ratios. The force required of the user is noticeably low.



UNIFOX-CE VDE



UNIFOX-C VDE

Ordering data

Description
Combination pliers , angled, with spring reset, gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested
Combination pliers , gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested

Type	Order No.	Pcs. / Pkt.
UNIFOX-CE VDE	1212203	1

Type	Order No.	Pcs. / Pkt.
UNIFOX-C VDE	1212202	1

VDE combination pliers

The safety devices from Phoenix Contact are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have ergonomic two-component safety handles.



UNIFOX-F VDE



UNIFOX-R VDE

Ordering data

Description
Flat-nosed pliers , gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested
Round-nosed pliers , gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested
Needle-nosed pliers with cut , gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested
Needle-nosed pliers with cut , 45° bent, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested

Type	Order No.	Pcs. / Pkt.
UNIFOX-F VDE	1212363	1
UNIFOX-R VDE	1212364	1

Type	Order No.	Pcs. / Pkt.
UNIFOX-P VDE	1212204	1
UNIFOX-PC VDE	1212205	1

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Hand tools

Wiring channel/profile cutter

The PPS CD M wiring channel cutter cuts channels and covers up to a width of 125 mm and a wall thickness of 2.5 mm burr-free and non-cutting in seconds. A spring-mounted knife protection provides the necessary safety.

PPS BASIC I/M is a lightweight version of profile cutters. It processes the common EN DIN rails NS 35/15, NS 35/7,5 and NS 15, and the PEN conductor busbar NLS-CU 3/10.



PPS CD M

Wiring channel cutter



PPS BASIC I/M

DIN rail cutter

Dimensions	
	[mm]
General data	
Weight	[kg]
Length of the measuring bar	[mm]
Length of the hand lever	[mm]
Wiring channels (wall thickness)	[mm]
Cutting width	[mm]

Width	Length	Height
285	280	290
10.5	1000	500
2.50		125

Width	Length	Height
150	60	180
8.3	1000	590
-		-

Ordering data

Description	Color
Wiring channel cutter , for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm	Black
Profile cutter , for cutting standard DIN rails, NS 15 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, with an inch/metric measuring rail	Black

Type	Order No.	Pcs. / Pkt.
PPS CD M	1207569	1

Type	Order No.	Pcs. / Pkt.
PPS BASIC I/M	1207585	1

Accessories

Spare knife
Spare counter support
Workbench , with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes

PPS CD BLADE	1207572	1
PPS CD M COHO	1208995	1
PPS TABLE	1206285	1

PPS TABLE	1206285	1
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Profile cutter with punching inserts

The PPS STANDARD and PPS CLASSIC can be equipped with two stamping bits for round holes or elongated holes. The PPS CLASSIC is advantageous where hole sizes often change. By simply folding open the PPS... upper part, the stamping bits can be changed in no time at all.

Attention: When ordering please specify the stamping tool desired.



PPS STANDARD ...

DIN rail cutter with bore hole die



PPS CLASSIC ...

DIN rail cutter with bore hole die

Dimensions	
	[mm]
General data	
Weight	[kg]
Length of the measuring bar	[mm]
Length of the hand lever	[mm]

Width	Length	Height
180	100	220
19	1000	1000

Width	Length	Height
250	100	230
19	1000	1000

Ordering data

Description	Color
Profile cutter , for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, without stamping tool, with a metric measuring rail	
Same as before, but with inch/metric measuring rail	Black
Profile cutter , for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, easy replacement of stamping inserts without using a stamping tool, with an inch/metric measuring rail	Black
Same as before, but with inch/metric measuring rail	Black

Type	Order No.	Pcs. / Pkt.
PPS STANDARD M	1206175	1
PPS STANDARD I/M	1206230	1

Type	Order No.	Pcs. / Pkt.
PPS CLASSIC M	1206243	1
PPS CLASSIC I/M	1206256	1

Accessories

Stamping insert , for elongated holes, longitudinal:
3.5 x 12 mm
4.5 x 12 mm
5.5 x 12 mm
6.35 x 15 mm
6.5 x 15 mm
Stamping insert , for elongated holes, traverse:
3.5 x 12 mm
4.5 x 12 mm
5.5 x 12 mm
6.5 x 15 mm
Stamping bit , for bore holes
3.8 mm Ø
4.3 mm Ø
5.3 mm Ø
6.4 mm Ø
7.0 mm Ø
8.4 mm Ø
Hydraulic cylinder , for connection to an existing hydraulic system, operating pressure 160 - 220 bar
Workbench , with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,35X15)L	1204876	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS HYDRAULIC CYL	1208924	1
PPS TABLE	1206285	1

PPS-ST (3,5X12)L	1203563	1
PPS-ST (4,5X12)L	1203534	1
PPS-ST (5,5X12)L	1202603	1
PPS-ST (6,35X15)L	1204876	1
PPS-ST (6,5X15)L	1202593	1
PPS-ST (3,5X12)Q	1203550	1
PPS-ST (4,5X12)Q	1203547	1
PPS-ST (5,5X12)Q	1203411	1
PPS-ST (6,5X15)Q	1203408	1
PPS-ST (3,8)	1204892	1
PPS-ST (4,3)	1202616	1
PPS-ST (5,3)	1202629	1
PPS-ST (6,4)	1202632	1
PPS-ST (7,0)	1204889	1
PPS-ST (8,4)	1202726	1
PPS TABLE	1206285	1

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Hand tools

Stripping tools

The stripping pliers WIREFOX from Phoenix Contact are characterized by a mechanism that adjusts automatically to different kinds of insulation and conductor diameters. Particularly useful are the integrated wire cutter and the flexibly adjustable stop for the stripping length.



WIREFOX 2,5



WIREFOX 4

Conductor/cable stripping range

Wire cutter solid // stranded	[mm²] / AWG	2.5 / 14 // 6 / 10
Stripping length up to ...	[mm]	15
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12

1.5 / 16 // 10 / 8
18
0.1 - 4 / 28 - 12

Ordering data

Description

Stripping tool, angled, for lines and conductors (specially for PTFE isolations) of 0.08 - 2.5 mm², self-adjusting, stripping length of up to 15 mm, cutting capacity: solid up to 2.5 mm², stranded up to 6 mm²

Stripping tool, for cables and conductors (especially also for PTFE insulations) of 0.1 - 4 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²

Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²

Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²

Stripping pliers, for wires and conductors of 6 - 16 mm², self-aligned, any desired stripping length

Stripping tool, for lines and conductors (specially for short-circuit-proof lines) of 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²

Stripping pliers, for AS interface flat wires, any desired stripping length

Type	Order No.	Pcs. / Pkt.
WIREFOX 2,5	1212368	1

Type	Order No.	Pcs. / Pkt.
WIREFOX 4	1212156	1

Accessories

Spare knife

Spare limit stop

WIREFOX 2,5/SB	1212369	1
WIREFOX 2,5/WS	1212370	1

WIREFOX 4/SB	1212151	1
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WIREFOX 10



WIREFOX 16...



WIREFOX ...

1.5 / 16 // 10 / 8
18
0.2 - 10 / 8 - 34

1.5 / 16 // 10 / 8
18
4 - 16 / 10 - 5

1.5 / 16 // 10 / 8
18
0.1 - 4 / 28 - 12

Type	Order No.	Pcs. / Pkt.
WIREFOX 10	1212150	1
WIREFOX 10/SB	1212152	1

Type	Order No.	Pcs. / Pkt.
WIREFOX 16	1212155	1
WIREFOX 16-1	1212157	1
WIREFOX 16/SB	1212153	1

Type	Order No.	Pcs. / Pkt.
WIREFOX 6SC	1212158	1
WIREFOX ASI	1212154	1
WIREFOX 6SC/SB	1212314	1

Stripping tools

The wide range of precision stripping tools provides the right tool for every application. Conductors and lines with different isolations can be stripped up to a diameter of 40 mm.



WIREFOX-D 11



WIREFOX-D ...

Ordering data

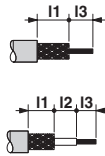
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping tool , for stripping multicore signal, control and glass fiber wires of 2.5 - 11 mm Ø, insulation thickness up to 1 mm						
	WIREFOX-D 11	1212160	1			
Stripping tool , for stripping installation wires with 8 - 13 mm Ø, for example, NYM 3x1.5 mm ² to NYM 5x2.5 mm ² , single-wire stripping, 0.2 - 4 mm ² , with blade for lateral cutting and extendable knife						
				WIREFOX-D 13	1212162	1
Stripping tool , for stripping wires (especially fiber optics wires) of 4 - 16 mm Ø						
				WIREFOX-D 16	1212173	1
Stripping tool , for stripping wires of 8 - 28 mm Ø				WIREFOX-D 28	1212174	1
Stripping tool , for stripping conductors of 4.5 - 40 mm Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts						
Stripping tool , for coaxial cables of 2.5 - 7.6 mm Ø						
2-stage, setting dimension l1 = 6.0 mm						
2-stage, setting dimension l1 = 9.2 mm						
2-stage, setting dimension l1 = 12 mm						
2-stage, setting dimension l1 = 6.8 mm						
3-stage, setting dimension l1 = 5.5 mm, l2 = 5.5 mm						
3-stage, setting dimension l1 = 2.7 mm, l2 = 8.3 mm						
3-stage, setting dimension l1 = 6.0 mm, l2 = 6.0 mm						
3-stage, setting dimension l1 = 2.5 mm, l2 = 6.8 mm						
3-stage, setting dimension l1 = 3.5 mm, l2 = 7.5 mm						
Stripping pliers , for stripping wires for cable cutouts, wire pick-offs and shield connections						

Accessories

Spare knife	WIREFOX-D 11/SB	1212312	1			
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WIREFOX-D 40



WIREFOX-D CX-...



WIREFOX-D SHIELD

Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
WIREFOX-D 40	1212161	1	WIREFOX-D CX-1	1212163	1			
			WIREFOX-D CX-2	1212164	1			
			WIREFOX-D CX-3	1212165	1			
			WIREFOX-D CX-4	1212166	1			
			WIREFOX-D CX-5	1212167	1			
			WIREFOX-D CX-6	1212168	1			
			WIREFOX-D CX-7	1212169	1			
			WIREFOX-D CX-8	1212170	1			
			WIREFOX-D CX-9	1212171	1			
						WIREFOX-D SHIELD	1212172	1
WIREFOX-D 40/SB	1212313	1	WIREFOX-D CX-1/SB	1212303	1			
			WIREFOX-D CX-2/SB	1212304	1			
			WIREFOX-D CX-3/SB	1212305	1			
			WIREFOX-D CX-4/SB	1212306	1			
			WIREFOX-D CX-5/SB	1212307	1			
			WIREFOX-D CX-6/SB	1212308	1			
			WIREFOX-D CX-7/SB	1212309	1			
			WIREFOX-D CX-8/SB	1212310	1			
			WIREFOX-D CX-9/SB	1212311	1			

Crimping pliers for ferrules



Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



The comprehensive range of CRIMPFOX crimping pliers attains optimum crimping for all ferrules in the case of large conductor cross-sections with minimum forces. Equipped with a pressure lock (that can be released), the pliers provide uniform high quality crimping. The marked die stations serve in accurate processing of the relevant cross-sections.

The self-adjusting CRIMPFOX 6S/T die automatically adapts to the connector size and is impressive due to its fast and reliable contact processing. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous.

Application range	
Conductor	[mm²] / AWG
Compression	0.25 - 6 / 24 - 10 Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, five marked die stations, pressure lock can be released, lateral entry	CRIMPFOX 6	1212034	1
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, lateral entry			
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			

Accessories

Spare die	CRIMPFOX 6/DIE	1212035	1
Replacement recuperating spring	CRIMPFOX/ SPR-3	1212036	1



0.5 - 6 / 20 - 10
Square crimp

0.25 - 6 / 20 - 10
Trapezoidal crimp

0.25 - 6 / 20 - 10
Trapezoidal crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6S-F	1212043	1

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T	1212037	1

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T-F	1212038	1

CRIMPFOX 6S-F/DIE	1212285	1
CRIMPFOX/ SPR-3	1212036	1

CRIMPFOX 6T/DIE	1212298	1
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX 6T-F/DIE	1212297	1
CRIMPFOX/ SPR-1	1212069	1

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Hand tools

Crimping pliers for ferrules

Great importance has been placed on energy-saving work with these compact crimping pliers. The way in which the handles and the die are arranged means that the ferrules can be fitted however the tool is held.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX 10S



CRIMPFOX 6H

Application range	
Conductor	[mm²] / AWG
Compression	

0.14 - 10 / 25 - 7
Square crimp

0.14 - 6 / 25 - 10
Hexagonal

Ordering data

Description
Crimping pliers , for ferrules as per DIN 46228, 0.14 - 10 mm², pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 10S	1212045	1

Crimping pliers , for ferrules as per DIN 46228, 0.14 - 6 mm², pressure lock can be released, lateral entry
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Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6H	1212046	1

Accessories

Replacement recuperating spring

CRIMPFOX/SPR-2	1212047	1
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CRIMPFOX/SPR-2	1212047	1
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Crimping pliers for ferrules

The CRIMPFOX 25R /...50R crimping pliers help in processing ferrules of up to 50 mm². The ergonomically formed handles and the optimized mechanical translation ensure optimum hold and reduce the force needed by 25%.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX 25R



CRIMPFOX 50R

Application range	
Conductor	[mm²] / AWG
Compression	

10 - 25 / 8 - 4
WM crimp

35 - 50 / 2 - 1
WM crimp

Ordering data

Description
Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, three marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 25R	1212039	1

Crimping pliers , for ferrules as per DIN 46228-1 and DIN 46228-4, two marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 50R	1212041	1

Accessories

Spare die
Replacement recuperating spring

CRIMPFOX 25R/DIE	1212040	1
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX 50R/DIE	1212042	1
CRIMPFOX/ SPR-1	1212069	1

Crimping pliers for cable lugs and plugs

All pliers of the CRIMPFOX series feature an integrated pressure lock. They unlock as soon as the required crimping pressure is attained, thus ruling out the possibility of too little pressure. The color marking on the die clearly allocates the cross-section.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-RCI 1



CRIMPFOX-RCI 2,5

Application range

Conductor [mm²] / AWG
Compression

0.14 - 1 / 26 - 18
Oval crimp

0.75 - 2.5 / 20 - 14
Oval crimp

Ordering data

Description

Crimping pliers, for insulated cable lugs (light green, red), three marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 1	1212055	1

Crimping pliers, for insulated cable lugs (red, blue), two marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 2,5	1212053	1

Accessories

Spare die

Replacement recuperating spring

CRIMPFOX-RCI 1/DIE	1212056	1
CRIMPFOX/ SPR-3	1212036	1

CRIMPFOX-RCI 2,5/DIE	1212054	1
CRIMPFOX/ SPR-3	1212036	1

Crimping pliers for cable lugs and plugs

The CRIMPFOX-RCI 6 /...-1 completes the range of cable lug crimping pliers towards the high end. The precisely manufactured dies provide a uniform and high quality during contact processing.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-RCI 6



CRIMPFOX-RCI 6-1

Application range

Conductor [mm²] / AWG
Compression

0.75 - 6 / 20 - 10
Oval crimp

0.75 - 6 / 20 - 10
Oval crimp

Ordering data

Description

Crimping pliers, for insulated cable lugs symmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6	1212057	1

Crimping pliers, for insulated cable lugs asymmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry

Type	Order No.	Pcs. / Pkt.
CRIMPFOX-RCI 6-1	1212059	1

Accessories

Spare die

Replacement recuperating spring

CRIMPFOX-RCI 6/DIE	1212058	1
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX-RCI 6-1/DIE	1212290	1
CRIMPFOX/ SPR-1	1212069	1

Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC is characterized by its compact and light design. It helps in processing non-insulated cable lugs. Equipped with a forced lock (unlockable), the pliers provide a uniform high quality of crimping. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous. The conductor entry is lateral. Three labeled die stations serve for precise processing of the relevant cross-sections.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-RC 2,5

Application range				
Conductor	[mm²] / AWG	0.75 - 2.5 / 20 - 14		
Compression		Indent crimp		
Ordering data				
Description		Type	Order No.	Pcs. / Pkt.
Crimping pliers , for non-insulated cable lugs, three marked die stations, pressure lock can be released, lateral entry		CRIMPFOX-RC 2,5	1212063	1
Accessories				
Spare die		CRIMPFOX-RC 2,5/DIE	1212064	1
Replacement recuperating spring		CRIMPFOX/ SPR-3	1212036	1

Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC 10 and ...-RCT 25 complete the range of crimping pliers for non-isolated cable lug and isolated tube lugs. All CRIMPFOX pliers of this type reduce the force needed by 25% during crimping.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-RC ...



CRIMPFOX-RCT 25-1

Application range							
Conductor	[mm²] / AWG	4 - 10 / 12 - 8			10 - 25 / 8 - 4		
Compression		Indent crimp			HEX crimp		
Ordering data							
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-insulated cable lugs		CRIMPFOX-RC 10	1212061	1			
Crimping pliers, for non-insulated cable lugs		CRIMPFOX-RC 25	1212065	1			
Crimping pliers, for non-insulated tube lugs					CRIMPFOX-RCT 25-1	1212066	1
Accessories							
Spare die		CRIMPFOX-RC 10/DIE	1212062	1			
Spare die		CRIMPFOX-RC 25/DIE	1212299	1	CRIMPFOX-RCT 25/DIE	1212300	1
Replacement recuperating spring		CRIMPFOX/ SPR-1	1212069	1	CRIMPFOX/ SPR-1	1212069	1

Basic pliers, for accommodating dies

The wide variety of dies makes the CRIMPFOX-C... universal crimping pliers of up to 120 mm². Easy-to-fold jaw holders help in quick replacement of dies. A mechanical drive system minimizes the force needed.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

For more dies, see www.phoenixcontact.de/eshop.



CRIMPFOX-C50 ...



CRIMPFOX-C120 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers , with ratchet function, for accommodating dies for various contacts Up to 50 mm ² Two-hand operation of up to 120 mm ²	CRIMPFOX-C50	1212340	1	CRIMPFOX-C120	1212318	1
Accessories						
Upper part of die , for ferrules 50 mm ² , 70 mm ² , trapezoidal crimp				CRIMPFOX-C120 AI 70/M-DIE	1212335	1
For 95 mm ²				CRIMPFOX-C120 AI 95/M-DIE	1212336	1
Lower part of die , for ferrules 50 mm ² , trapezoidal crimp				CRIMPFOX-C120 AI 50/F-DIE	1212337	1
For 70 mm ²				CRIMPFOX-C120 AI 70/F-DIE	1212338	1
For 95 mm ²				CRIMPFOX-C120 AI 95/F-DIE	1212339	1
Die (pair) , for isolated cable lugs, 10 mm ² , oval crimp						
For 16 mm ²	CRIMPFOX-C50 RCI 10/DIE	1212346	1	CRIMPFOX-C120 RCI 10/DIE	1212327	1
For 25 mm ²	CRIMPFOX-C50 RCI 16/DIE	1212347	1	CRIMPFOX-C120 RCI 16/DIE	1212328	1
For 35 mm ²	CRIMPFOX-C50 RCI 25/DIE	1212348	1	CRIMPFOX-C120 RCI 25/DIE	1212329	1
Die upper part , for non-isolated cable lugs, (DIN 46234) 6 - 35 mm ² , indent crimp				CRIMPFOX-C120 RCI 35/DIE	1212330	1
For 6 - 70 mm ²	CRIMPFOX-C50 RC 35/M-DIE	1212343	1	CRIMPFOX-C120 RC 70/M-DIE	1212331	1
Die lower part , for non-isolated cable lugs, 25 mm ² , indent crimp	CRIMPFOX-C50 RC 25/F-DIE	1212344	1			
For 35 mm ²	CRIMPFOX-C50 RC 35/F-DIE	1212345	1	CRIMPFOX-C120 RC 35/F-DIE	1212332	1
For 10, 16, 25, 35 mm ²				CRIMPFOX-C120 RC 50/F-DIE	1212333	1
For 6, 50 mm ²				CRIMPFOX-C120 RC 70/F-DIE	1212334	1
For 10, 70 mm ²						
Die (pair) , for copper tube lugs, 35 mm ² , WM crimp						
For 16, 35 mm ²	CRIMPFOX-C50 RCT 35-1/DIE	1212341	1	CRIMPFOX-C120 RCT 35-1/DIE	1212320	1
For 50 mm ²	CRIMPFOX-C50 RCT 50-1/DIE	1212342	1			
For 25, 50 mm ²				CRIMPFOX-C120 RCT 50-1/DIE	1212321	1
For 10, 70 mm ²				CRIMPFOX-C120 RCT 70-1/DIE	1212319	1
For 95 mm ²				CRIMPFOX-C120 RCT 95-1/DIE	1212322	1
For 120 mm ²				CRIMPFOX-C120 RCT 120-1/DIE	1212323	1
Pre-round die (pair) , for sector cable, 25, 35 mm ²						
For 35, 50 mm ²	CRIMPFOX-C50 R25-35/DIE	1212349	1			
For 50, 70 mm ²	CRIMPFOX-C50 R35-50/DIE	1212350	1	CRIMPFOX-C120 R25-50/DIE	1212324	1
For 25, 50 mm ²	CRIMPFOX-C50 R50-70/DIE	1212351	1	CRIMPFOX-C120 R35-70/DIE	1212325	1
For 35, 70 mm ²				CRIMPFOX-C120 R95/DIE	1212326	1
For 95 mm ²						

Crimping pliers for non-isolated slip-on sleeves

The CRIMPFOX-SC... serves in processing non-isolated flat connectors and slip-on sleeves of up to 6 mm². Equipped with a pressure lock, the pliers provide uniform high quality crimping. The marked die stations serve in accurate processing of the relevant cross-section ranges.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-SC 1,5



CRIMPFOX-SC 6...

Application range

Conductor [mm²] / AWG
Compression

0.1 - 1.5 / 26 - 16
B crimp

0.5 - 6 / 22 - 10
B crimp

Ordering data

Description

Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry

Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid

Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry

Type

Order No.

Pcs. /
Pkt.

CRIMPFOX-SC 1,5

1212048

1

Type

Order No.

Pcs. /
Pkt.

CRIMPFOX-SC 6L

1212052

1

CRIMPFOX-SC 6

1212050

1

Accessories

Spare die

CRIMPFOX-SC 1,5/DIE

1212049

1

CRIMPFOX-SC 6/DIE

1212051

1

Replacement recuperating spring

CRIMPFOX/ SPR-3

1212036

1

CRIMPFOX/ SPR-1

1212069

1

Crimping pliers for turned contacts

The CRIMPFOX-TC ... are crimping pliers for processing turned contacts of up to 10 mm². The integrated locator serves in accurate positioning of the contacts in the die. The marked die stations serve in accurate processing of the relevant cross-section ranges.



CRIMPFOX-TC 4

Application range				
Conductor	[mm²] / AWG	0.5 - 4 / 22 - 12		
Compression		Square crimp		
Ordering data				
Description		Type	Order No.	Pcs. / Pkt.
Crimping pliers , for turned contacts with a pin diameter of 1.6/2.5/4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid		CRIMPFOX-TC 4	1212113	1
Crimping pliers , for turned contacts with a pin diameter of 4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid		CRIMPFOX-TC 10	1212114	1
Accessories				
Spare die		CRIMPFOX-TC 4/DIE	1212295	1
Spare die		CRIMPFOX-TC 10/DIE	1212296	1
Replacement recuperating spring		CRIMPFOX/ SPR-1	1212069	1

Crimping pliers for coaxial and fiber optics connector

The CRIMPFOX-CX ... are crimping pliers for processing coaxial connectors. The CRIMPFOX-FO for processing fiber optics connectors is another addition to our tool range.



CRIMPFOX-CX ...



CRIMPFOX-FO 5,41

Application range

Compression

-

HEX crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for: Coaxial connector 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	CRIMPFOX-CX 4,52	1212094	1			
Coaxial connector 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	CRIMPFOX-CX 6,48	1212095	1			
Coaxial connector 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, pressure lock can be released, lateral entry				CRIMPFOX-CX 9,14	1212096	1
Coaxial connector 2.54 mm, 10.54 mm, two marked die stations, pressure lock can be released, lateral entry				CRIMPFOX-CX 10,54	1212097	1
Coaxial connector 2.54 mm, 10.90 mm, two marked die stations, pressure lock can be released, lateral entry				CRIMPFOX-CX 10,90	1212098	1
Crimping pliers, for fiber optics connector, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, pressure lock can be released, lateral entry						
				CRIMPFOX-FO 5,41	1212099	1
Crimping pliers for D-SUB contacts, high-density and standard, 0.08 - 5.0 mm², incl. contact, B crimp						
Black	CRIMPFOX-DSUB 5	1212111	1			

Accessories

Spare die	CRIMPFOX-CX 4,52/DIE CRIMPFOX-CX 6,48/DIE	1212284 1212286	1 1	CRIMPFOX-CX 9,14/DIE CRIMPFOX-CX 10,54/DIE CRIMPFOX-CX 10,90/DIE CRIMPFOX-FO 5,41/DIE	1212293 1212291 1212292 1212294	1 1 1 1
Spare die	CRIMPFOX-DSUB 5/DIE	1212287	1			
Replacement recuperating spring	CRIMPFOX/ SPR-3	1212036	1	CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX-M crimping tool

An excellent feature of the new CRIMPFOX-M crimping pliers is the quick replacement of crimp inserts without the use of tools. The large number of inserts makes it a space-saving universal tool for all applications.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-M ...



CRIMPFOX-M SET

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers , for accommodating dies for various contact types, pressure lock can be released, lateral entry						
	CRIMPFOX-M	1212072	1			
Crimping pliers set , consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081				CRIMPFOX-M SET	1212093	1
Accessories						
Die , for ferrules, 0.25 - 10 mm ²	CRIMPFOX-M 10/DIE	1212080	1			
For 16 - 25 mm ²	CRIMPFOX-M 25/DIE	1212081	1			
For 35 - 50 mm ²	CRIMPFOX-M 50/DIE	1212082	1	CRIMPFOX-M 50/DIE	1212082	1
Die , for insulated cable lugs, 0.5 - 1.5 mm ² and 1.5 - 2.5 mm ²						
For 0.1 - 0.4 mm ² and 4 - 6 mm ²	CRIMPFOX-M RCI 2,5/DIE	1212074	1			
Die , for non-insulated cable lugs, 0.75 - 2.5 mm ²	CRIMPFOX-M RCI 6/DIE	1212073	1	CRIMPFOX-M RCI 6/DIE	1212073	1
For 0.5 - 6 mm ²	CRIMPFOX-M RC 2,5/DIE	1212078	1	CRIMPFOX-M RC 2,5/DIE	1212078	1
For 4 - 10 mm ²	CRIMPFOX-M RC 6/DIE	1212079	1	CRIMPFOX-M RC 10/DIE	1212077	1
Die , for non-insulated slip-on sleeves, 0.1 - 1 mm ²	CRIMPFOX-M RC 10/DIE	1212077	1			
For 0.5 - 2.5 mm ²	CRIMPFOX-M SC 1/DIE	1212083	1	CRIMPFOX-M SC 1/DIE	1212083	1
For 0.5 - 6 mm ²	CRIMPFOX-M SC 2,5/DIE	1212084	1	CRIMPFOX-M SC 2,5/DIE	1212084	1
Die , for turned contacts with pin diameters 2.5 mm and 4.0 mm (CK 2,5... , CK 4,0...), cross-section 0.14 - 4 mm ²	CRIMPFOX-M SC 6/DIE	1212085	1	CRIMPFOX-M SC 6/DIE	1212085	1
For turned contacts with pin diameter 4 mm (CK 4,0...), cross-section 6 - 10 mm ²	CRIMPFOX-M TC 4/DIE	1212075	1	CRIMPFOX-M TC 4/DIE	1212075	1
Die , for RG 174, RG 179, BNC, TNC coaxial connectors	CRIMPFOX-M TC 10/DIE	1212076	1	CRIMPFOX-M TC 10/DIE	1212076	1
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	CRIMPFOX-M CX-1/DIE	1212087	1	CRIMPFOX-M CX-1/DIE	1212087	1
For CATV RG 6.59	CRIMPFOX-M CX-2/DIE	1212088	1	CRIMPFOX-M CX-2/DIE	1212088	1
Die , for unshielded RJ45 connectors	CRIMPFOX-M CX-3/DIE	1212089	1	CRIMPFOX-M CX-3/DIE	1212089	1
For unshielded RJ11 connectors	CRIMPFOX-M RJ45/DIE	1212090	1	CRIMPFOX-M RJ45/DIE	1212090	1
Die , for shrink butt connector, 0.1 - 0.4 mm ² and 4 - 6 mm ²	CRIMPFOX-M RJ11/DIE	1212091	1	CRIMPFOX-M RJ11/DIE	1212091	1
	CRIMPFOX-M HS-1/DIE	1212282	1	CRIMPFOX-M HS-1/DIE	1212282	1

Control cabinet technology - CABINET add-on

Hand tools

Screwdriver

In addition to their standard applications, the screwdrivers of the SZF series are also suitable for actuating the modular terminal blocks of the ST ... and QTC ... series.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



SZF ...



ST-BW

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver , for slotted-head screws Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	SZF 0-0,4X2,5	1204504	10			
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	SZF 1-0,6X3,5	1204517	10			
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	SZF 2-0,8X4,0	1204520	10			
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	SZF 3-1,0X5,5	1206612	10			
Operating tool , for all 2.5 mm ² and 4 mm ² ST spring-cage terminal blocks, DT push-in connection terminal blocks and QT fast connection terminal blocks				ST-BW	1207608	10

Screwdriver

Screwdrivers from Phoenix Contact have a large bearing surface in the screw head. Only in this way can the required torque be achieved with adequate force without damaging the screw head.

The safety screwdrivers are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have two-component safety handles.



SZS ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Screwdriver , for slotted-head screws Blade: 0.4 x 2.0 x 60 mm, length: 157 mm	SZS 0,4X2,0	1205202	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	SZS 0,6X3,5	1205053	10
Screwdriver , for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	SZS 0,4X2,5	1205037	10
Blade: 0.5 x 3.5 x 100 mm, length: 181 mm	SZS 0,5X3,0	1207404	10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	SZS 0,6X2,5	1205040	10
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	SZS 1,0X4,0	1205066	10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	SZS 1,0X5,5	1209114	10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	SZS 1,0X6,5	1205079	10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	SZS 1,2X8,0	1205082	10

Screwdriver

The VDE screwdriver for Phillips screw are available in the Pozidriv and Phillips recess versions. The SZG... screwdriver is ideal for slip-free and safe drive of the test socket screws.



SZK ...



SZG ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver , for Pozidriv/Supadriv Phillips screws, VDE approval						
Size: PZ0 x 80 mm, length: 161 mm	SZK PZ0	1206447	10			
Size: PZ1 x 80 mm, length: 161 mm	SZK PZ1	1206450	10			
Size: PZ2 x 100 mm, length: 205 mm	SZK PZ2	1206463	10			
Screwdriver , for Phillips Recess Phillips screws, VDE approval:						
Size: PH0 x 80 mm, length: 161 mm	SZK PH0	1205147	10			
Size: PH1 x 80 mm, length: 161 mm	SZK PH1	1205150	10			
Size: PH2 x 100 mm, length: 205 mm	SZK PH2	1205163	10			
Screwdriver , for test socket screws, with VDE approval						
For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm				SZG 0,6X3,5	1205121	10
For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm				SZG 0,9X6,5	1205134	10

Screwdriver

We have compiled attractive tool sets from the comprehensive range of professional screwdrivers.

Universal control cabinet key **USS 4** with the following locks: 6 mm square, 7-8 mm square, 7-8 mm triangle, 3-5 mm double.



SZ SORTI ...



USS 4

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver range , consisting of the small screwdrivers: 1205037, 1205040, 1205053, 1205121						
	SZ SORTI 1	1202085	1			
Screwdriver range , consisting of the three large screwdrivers: 1205066, 1205079, 1205134						
	SZ SORTI 2	1202098	1			
Control cabinet key , made of metal, for all common control cabinets				USS 4	1203149	1

Control cabinet technology - CABINET add-on

Hand tools

Torque and torque battery-powered screwdriver

The extremely accurate torque and battery-powered screwdriver are optimally adapted to the screw terminal block products from Phoenix Contact. The battery-powered screwdriver has forward/reverse running and 21 torque stages of up to 4.4 Nm with drilling levels.



TSD-M ...



ASD 21 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Torque screw driver , accuracy as per standard EN ISO 6789						
Adjustable from 0.3 - 1.2 Nm	TSD-M 1,2NM	1212224	1			
Adjustable from 1.2 - 3 Nm	TSD-M 3NM	1212225	1			
Adjustable from 3 - 6 Nm	TSD-M 6NM	1212226	1			
Torque battery-powered screwdriver , adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. power pack 1.2 Ah				ASD 21	1208526	1
Torque battery-powered screwdriver , adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 230 V design, User Manual, bits, packed in aluminum case				ASD 21 SET 230V	1208490	1
Torque battery-powered screwdriver , adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 120 V design, User Manual, bits, packed in aluminum case				ASD 21 SET 120V	1208542	1

Accessories

Spare rechargeable battery , for ASD 21, 1.2 Ah				ASD 21 ACCU 1,2AH	1208500	1
Charger , 230 V design				ASD 21 CHARGER 230V	1208513	1
120 V design				ASD 21 CHARGER 120V	1208555	1
Tool bits , for slotted-head screws						
Blade: 0.5 x 3.0 mm, length: 50 mm, tough but flexible	ASD BIT 0,5X3,0X 50	1203961	5	ASD BIT 0,5X3,0X 50	1203961	5
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	ASD BIT 0,6X3,5X 50	1203974	5	ASD BIT 0,6X3,5X 50	1203974	5
Blade: 0.6 x 3.5 mm, length: 70 mm, tough but flexible	ASD BIT 0,6X3,5X 70	1203987	5	ASD BIT 0,6X3,5X 70	1203987	5
Blade: 0.8 x 4.0 mm, length: 50 mm, tough but flexible	ASD BIT 0,8X4,0X 50	1203990	5	ASD BIT 0,8X4,0X 50	1203990	5
Blade: 1.0 x 5.5 mm, length: 50 mm, tough but flexible	ASD BIT 1,0X5,5X 50	1204009	5	ASD BIT 1,0X5,5X 50	1204009	5
Tool inserts , for Phillips Recess Phillips screws						
Length: 50 mm, PH 1	ASD BIT KS1X50	1203945	5	ASD BIT KS1X50	1203945	5
Length: 50 mm, PH 2	ASD BIT KS2X50	1203958	5	ASD BIT KS2X50	1203958	5
Length: 50 mm, PH 3	ASD BIT KS2X90	1205435	5	ASD BIT KS2X90	1205435	5
Tool inserts , for test socket screws with 2.3 mm Ø						
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	ASD BIT 0,6X3,5X 50/SG	1204151	5	ASD BIT 0,6X3,5X 50/SG	1204151	5
Tool inserts , for test socket screws with 4 mm Ø						
Blade: 0.9 x 6.5 mm, length: 50 mm, tough but flexible	ASD BIT 0,9X6,5X 50/G	1204148	5	ASD BIT 0,9X6,5X 50/G	1204148	5

Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.



TOOL DATA SET



TOOL SET ALLROUND 2

Ordering data

Description
Stripping, crimping and cutting set , consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping multicore signal, control and glass fiber wires of Ø 2.5 - 11 mm, insulation thickness up to 1 mm, basic pliers for accommodating dies for different contact types, die, for CRIMPFOX-M, for unshielded RJ45 connectors
Cutting, stripping, and crimping set , consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for wires and conductors of 0.02 - 10 mm ² , self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm ² stranded/1.5 mm ² solid, crimping pliers for ferrules, 0.75 - 10 mm ²

Type	Order No.	Pcs. / Pkt.
TOOL DATA SET	1208856	1

Type	Order No.	Pcs. / Pkt.
TOOL SET ALLROUND 2	1208843	1

Tool set with ferrules

For color designation of ferrules, see page 728.



TOOL-SET ALLROUND 3

Ordering data

Description
Stripping, crimping and screwing set , consisting of: Screwdriver for slotted-head screws, stripping tool for wires and conductors of 0.02 - 10 mm ² , self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm ² stranded/1.5 mm ² solid, crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm ² , front insertion, square crimp Ferrules, 50 pieces each: Al 0,5-8 WH, Al 2,5-8 BU Ferrules, 100 pieces each: Al 0,75-8GY, Al 1,5-8 BK

Type	Order No.	Pcs. / Pkt.
TOOL-SET ALLROUND 3	1208953	1

Voltage tester



PROFIPOL

The PROFIPOL voltage tester has the following features:

- DC and AC voltage tests in the range between 6 V and 400 V
- Polarity test (+/-) for DC voltage
- Shock-proof housing that is protected against dust and splash water, IP65
- LED display

General data				
Voltage range	[V DC]	6 ... 400		
Voltage range	[V AC]	6 ... 400		
Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	PROFIPOL	1209101	1

Voltage and continuity tester

The DUSPOL EXPERT voltage and continuity tester has the following features:

- DC and AC voltage tests in the range of 12 V to 690 V AC / 750 V DC, fully functional even without batteries
- Polarity test (+/-) for DC voltage
- Single-pos. test of the phase conductor (phase): "R" symbol in the display field for AC voltage
- Indicator for rotary field direction of a three-phase network as long as the star point is grounded
- Measuring point lighting
- Acoustic and optical continuity test
- Load connection using a pushbutton
- Vibration alarm for safe voltage detection
- Shock-proof housing that is protected against dust and splash water, IP64
- Surge protection category CAT IV 500 V as per IEC/EN 61243-3



DUSPOL EXPERT

General data				
Voltage range	[V DC]	12 ... 750		
Voltage range	[V AC]	12 ... 690		
Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	DUSPOL EXPERT	1209091	1

Digital current probe multimeter

The TESTFOX CC can be used in the case of voltages of up to 600 V, category III. They combine the functions of a digital multimeter with those of current pliers in a compact and practical housing, thus making it ideal for limited spaces. All measuring ranges are overload-protected.



TESTFOX CC



TESTFOX CC-1

General data

Display scope	2000 digits	4000 digits
Accuracy of display	1.0%	0.5%
AC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
DC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
AC current measuring range	0.1 A - 400 A	10 mA - 300 A
DC current measuring range	-	10 mA - 300 A
Resistance measuring range	0.1 Ω - 20 MΩ	0.1 Ω - 40 MΩ
Continuity test range	Acoustic (20 Ω)	Acoustic (50 Ω)
Degree of protection	IP30	IP30
Measuring category	CAT III 600 V	CAT III 300 V / CAT II 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Current pliers/multimeter	TESTFOX CC	1212210	1			
Current pliers/multimeter				TESTFOX CC-1	1212211	1

Digital multimeter



The digital multimeter TESTFOX M and TESTFOX M-1 with volt sensor function are impressive due to their technology and their quality. The devices can be used in a variety of applications and can be tested and approved as per the internationally applicable standards IEC/EN 61010 irrespective of the certifying body.

The devices are suitable for DC voltage, resistance measurement and feed-through and diode test. TESTFOX M-1 also enables measurement of direct and alternating currents, capacities and frequencies as well as temperatures in the range of -20°C to +800°C.

High-level safety

Phase voltages can be accurately detected via the acoustic and red signal.

The devices can be used in the case of voltages of up to 600 V category III or 1000 V category II. It thus provides increased protection and allows maximum working safety to professional service engineers and operation engineers.

Safe cable breakage detection

Cable breakages and defective lamps in open lines can be traced from the supply phase to the interruption point.

**TESTFOX M****General data**

Display scope	2000 digits
Accuracy of display	0.5%
Volt sensor	yes
AC voltage measuring range	0.1 mV - 750 V
DC voltage measuring range	0.1 mV - 1000 V
AC current measuring range	-
DC current measuring range	-
Resistance measuring range	0.1 Ω - 20 MΩ
Continuity test range	yes (25 Ω)
Frequency measuring range	0.1 mV - 750 V
Capacity measuring range	-
Temperature measuring range	-
Diode test	yes (1.5 mA)
Degree of protection	IP30
Measuring category	CAT III 600 V / CAT II 1000 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Digital multimeter	TESTFOX M	1212208	1
Digital multimeter			



TESTFOX M-1

2000 digits
0.5%
yes
0.1 mV - 750 V
0.1 mV - 1000 V
1 mA - 10 A
1 mA - 10 A
0.1 Ω - 20 M Ω
yes (25 Ω)
0.1 mV - 750 V
1.00 pF - 2.00 mF
-20°C - 800°C
yes (1.5 mA)
IP30
CAT III 600 V / CAT II 1000 V
2 x micro battery 1.5 V, LR03, AAA
IEC/EN 61010-1, DIN VDE0411

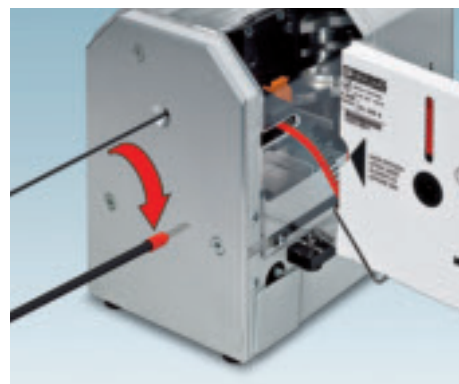
Type	Order No.	Pcs. / Pkt.
TESTFOX M-1	1212209	1



Automatic stripping off



Automatic crimping



**Automatic stripping off and crimping
in one operation**



The CUTFOX 10 cutting machine cuts conductors and wires of up to 10 mm². Solid and stranded conductors are cut with millimeter precision. The length and the number of sections are entered via the user-friendly display. When the material is changed, the CUTFOX 10 automatically adjusts to the diameter.



The WF 1000 stripping machine allows automatic stripping with the option of partially stripping the insulation of conductors of up to 6 mm² or wires of up to 6 mm Ø.

Knobs are used to set the stripping dimensions individually and the setting is shown on the display.



The ZAP crimping pliers are pneumatic tools for ferrules with a cross-section range of 0.25 to 10 mm². The crimping process is triggered using a foot valve. Two integrated receptacles serve for quick access to the ferrules.



The CF 500 is characterized by a high press capacity in a compact design.

Thanks to the adjustable press capacity and the replaceable die, it is suitable for insulated cable lugs, conduit lugs and cable terminal lugs, slip-on sleeves and ferrules of up to 50 mm².



The CF 1000 stripping and crimping machine processes loose ferrules with insulating collars as per DIN 46228-4. With this machine, conductors can be stripped and provided with ferrules in one operation.



The CF 3000-2,5 stripping and crimping machine processes taped ferrules with insulating collars as per DIN 46228-4. This device can strip off conductors in the cross-section range of 0.25 - 2.5 mm² provide them with ferrules in one operation. The automatic device can be adapted to different cross-sections within a minute.

Cutting device for conductors and cables



The CUTFOX 10 cutting machine cuts conductors, cables and similar profiles. The desired length and quantity is entered via the display on CUTFOX 10 in a user-friendly manner.

The front cover only need to be swung open to introduce the conductor. The drive and guide rolls are automatically set to the relevant defined diameter. Due to the automatic "zero cut" when the start button is pressed, setting work is not required.



CUTFOX 10 ...

Dimensions		Width	Length	Height
		195	295	230
General data				
Weight	[kg]	11		
Power consumption	[VA]	80		
Cutting efficiency				
Finely stranded	[mm ²]	0.25 - 10		
Solid strand	[mm ²]	0.25 - 2.5		
Max. throughput	[mm]	8		
Cross-section setting		automatic		
Maximum number of cuts	[Pcs.]	99999		
Length	[mm]	2 ... 99999		
Feed rate	[m/s]	0.5		
Unit of measurement		mm/inch		
Dialog language		German / English / French / Italian		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Automatic cutting machine, 230 V / 50 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm ²) and stranded (up to 10 mm ²)	CUTFOX 10	1206829	1
Automatic cutting machine, 120 V / 60 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm ²) and stranded (up to 10 mm ²)	CUTFOX 10 120V	1206832	1

Accessories

Cable unwinders, for CUTFOX 10, for the accommodation and spring-mounted unwinding of cable rings and cable coils	CUTFOX 10 C-UN	1208393	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils	CUTFOX 10 R-C	1208403	1
Turntable, to accommodate coils	CUTFOX 10 BAR	1208416	1
Holding arm, for CUTFOX 10 turntable	CF-10 WHEEL SET	1207271	1
4 arms for turntable	CF-10 CUTTER KNIFE SET	1207284	1
Spare drive belt, two pieces, for CUTFOX 10			
Spare knife set, for CUTFOX 10			



Automatic stripping machine



The compact stripping machine WF 1000 enables automatic stripping with the option of partial stripping of conductors from 0.08 to 6 mm² or conductors (multi-strand) of up to 6 mm Ø. Even special isolation such as PTFE and silicone can also be stripped in addition to standard isolations. The clamping force is automatically set to the required withdrawal force. Pressure points at sensitive isolations are thus prevented. The stripping dimensions are individually set via rotary buttons and are displayed on the display.



WF 1000 ...

Dimensions		Width	Length	Height
		141	363	221
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Compression		Trapezoidal		
Stripping power				
Finely stranded	[mm ²]	0.08 - 6		
Stripping length	[mm]	3-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping machine , 230 V design, for conductors and lines, solid and stranded 0.08-6 mm ² (max. Ø 6 mm), with integrated graphic display	WF 1000	1212149	1
Stripping machine , 120 V design, for conductors and lines, solid and stranded 0.08-6 mm ² (max. Ø 6 mm), with integrated graphic display	WF 1000 120V	1212258	1
Accessories			
Spare stripping knife, for WF 1000	WF 1000/SB	1212279	1

Control cabinet technology - CABINET add-on

Automatic devices

Pneumatic crimping pliers

The ZAP crimping pliers are pneumatic pliers for ferrules with a cross-section of 0.25 to 10 mm².

The ZAP 25 has a Duo-Press die, allowing both front and lateral cable insertion.



ZAP 25



ZAP 100

Application range

Conductor	[mm ²] / AWG
Pressure range	[bar]
Air consumption per compression	[l]
Compression	

0.25 - 2.5 / 24 - 14
4 - 6
0.2
Trapezoidal

4 - 10 / 12 - 8
4 - 6
0.2
Trapezoidal

Ordering data

Description

Pneumatic crimp pliers, for ferrules as per DIN 46228

Type

ZAP 25

Order No.

1203110

Pcs. / Pkt.

1

Type

ZAP 100

Order No.

1203259

Pcs. / Pkt.

1

Pneumatic crimping pliers as table-top version

The ZAP 25 T and ZAP 100 T have been developed especially for preparing conductors. The crimping process is triggered by a foot-actuated valve. Two integrated recesses allow easy access to the ferrules.



ZAP 25 T



ZAP 100 T

Application range

Conductor	[mm ²] / AWG
Pressure range	[bar]
Air consumption per compression	[l]
Compression	

0.25 - 2.5 / 24 - 14
4 - 6
0.2
Trapezoidal

4 - 10 / 12 - 8
4 - 6
0.2
Trapezoidal

Ordering data

Description

Pneumatic crimp pliers, for ferrules as per DIN 46228

Type

ZAP 25 T

Order No.

1203123

Pcs. / Pkt.

1

Type

ZAP 100 T

Order No.

1203262

Pcs. / Pkt.

1

Portable crimping device for ferrules, cable lugs and connectors



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.
See data sheet for further technical data.



CF 500 ...

The CF 500 is characterized by a high press capacity in a compact design.

The compact crimping machine CF 500 is impressive due to its high press capacity and the easy replaceability of its dies. The automatic device is an all-rounder due to its large number of dies.

- Ferrules of up to 50 mm²
- TWIN ferrules of up to 2 x 10 mm²
- Insulated cable lugs of up to 6 mm²
- Non-insulated cable lugs of up to 6 mm²
- Tube lugs of up to 10 mm²
- Slip-on sleeves and flat connectors of up to 6 mm²
- Turned contacts of up to 10 mm²

More dies are available on request or in the Phoenix Contact E-Shop:

www.phoenixcontact.net/eshop.

Dimensions		Width	Length	Height
		140	220	320
General data				
Weight	[kg]	10		
Power supply	[V]	100 ... 240		
Power consumption	[VA]	160		
Pressure	[kN]	10		
Working cycle	[s]	1		

Ordering data

Description

Crimping machine, 230 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch

Crimping machine, 120 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch

Type	Order No.	Pcs. / Pkt.
CF 500-230V	1208348	1
CF 500-120V	1208351	1

Accessories

CF 500 die, for ferrules (A... and AI...) 0,25-6 mm²

For ferrules (A... and AI...) 10, 16 and 25 mm²

For ferrules (A... and AI...) 35 and 50 mm²

For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm²

For insulated cable lugs (RCI... and FCI...) 0.14 - 1 mm²

For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm²

For cable lugs (RC... and FC...) 0.5 - 10 mm²

For cable lugs (RC... and FC...) 16 mm²

For slip-on sleeves and flat connectors (SCF... and SCM...) 0.1 - 1.5 mm²

For slip-on sleeves and flat connectors (SCF... and SCM...) 0.5 - 6 mm²

For turned contacts with pin diameters 2.5 and 4.0 mm (CK 2,5, CK 4,0) 0.14 - 4 mm²

For turned contacts (CK 4.0) 6 - 10 mm²

CF 500 protective cover, without recess (for all dies without assignment)

For ferrules of up to 6 mm² (AI 6...)

For TWIN ferrules (AITWIN...)

For insulated cable lugs (RCI...)

For tube lugs 0.5 - 10 mm²

For tube lugs 0.34 - 2.5 mm²

For slip-on sleeves and flat connectors SC 1,5... and SC 6...

CF 500 locator, for slip-on sleeves (SCF...), width: 2.8 mm, length: 5 mm

For slip-on sleeves (SCF...), width: 4.8 mm

For slip-on sleeves (SCF...), width: 6.3 mm

For slip-on sleeves (SCM...), 0.5 - 2.5 mm²

CF 500/DIE AI 6	1212238	1
CF 500/DIE AI 25	1212239	1
CF 500/DIE AI 50	1212261	1
CF 500/DIE AI-TWIN 10	1212262	1
CF 500/DIE RCI 1,5	1212263	1
CF 500/DIE RCI 6	1212240	1
CF 500/DIE RC 10	1212244	1
CF 500/DIE RC 16	1212257	1
CF 500/DIE SC 1,5	1212241	1
CF 500/DIE SC 6	1212242	1
CF 500/DIE TC 4	1212237	1
CF 500/DIE TC 10	1212260	1
CF 500/COV	1212250	1
CF 500/COV AI 6	1212254	1
CF 500/COV AI TWIN	1212266	1
CF 500/COV RCI	1212255	1
CF 500/COV RC 10	1212252	1
CF 500/COV RCT 2,5	1212253	1
CF 500/COV SC	1212251	1
CF 500/LOC SCF 2,8/1,5	1212249	1
CF 500/LOC SCF 4,8/2,5	1212248	1
CF 500/LOC SCF 6,3/6	1212247	1
CF 500/LOC SCM 6,3/2,5	1212264	1

Automatic stripping and crimping
device CF 1000



The stripping and crimping machine CF 1000 processes loose ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The pull-out forces correspond to the requirements of IEC/EN 60999 and IEC/EN 60947.

- The automatic device features are:
- Rugged structure
 - Processing of loose ferrules (Al...)
 - Fast cross-section change without additional setting measures
 - Quantity counter
 - Suitable for mass processing



CF 1000-1,5 ...

Dimensions		Width	Length	Height
		240	490	390
General data				
Weight	[kg]	29		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Compression		Trapezoidal		
Ordering data				
Description		Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm ² , incl. modification sets 0.5 - 1.5 mm ² (stripping length 8 mm)		CF 1000-1,5 230V	1208199	1
Stripping and crimping machine, 120 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm ² , incl. modification sets 0.5 - 1.5 mm ² (stripping length 8 mm)		CF 1000-1,5 120V	1208209	1
Accessories				
Expansion set, complete, for CF 1000, for loose ferrules with insulating collar, 0.25/0.34 mm ² , stripping length 6 mm				
0.25/0.34 mm ² , stripping length 8 mm		CF 1000-TOOLKIT 0,34/ 6	1208212	1
2.5 mm ² , stripping length 8 mm		CF 1000-TOOLKIT 0,34/ 8	1208225	1
4 mm ² , stripping length 10 mm		CF 1000-TOOLKIT 2,5/ 8	1208241	1
Spare knife, V-form, for CF 1000		CF 1000-TOOLKIT 4,0/10	1208270	1
		CF-EM	1205215	1



Portable automatic stripping and crimping device for taped products



The compact stripping and crimping machine CF 3000-2,5 processes taped ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The CF 3000-2,5 is suitable for conductor pre-assembly. Thanks to its compact and light design, it can be easily used at different workstations. Modifying automatic devices to different cross-sections is possible within a minute. The clear allocation of conversion components is ensured due to the colored marking as per the ferrules standard DIN 46228-4.

The application video can be downloaded from the EShop menu on the Internet:

www.phoenixcontact.de/download

The suitable taped ferrules support the use of all modular terminal blocks, especially from the **CLIPLINE complete system**:

- UT screw terminal blocks
- ST spring-cage terminal blocks
- PIT push-in connection terminal blocks
- COMBI pluggable connection solutions

Taped ferrules, see page 660.



CF 3000-2,5 ...

Dimensions		Width	Length	Height
		165	320	300
General data				
Weight	[kg]	12		
Application range				
Conductor	[mm ²] / AWG	0.5 - 2.5 / 20 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Compression		Trapezoidal		

Ordering data

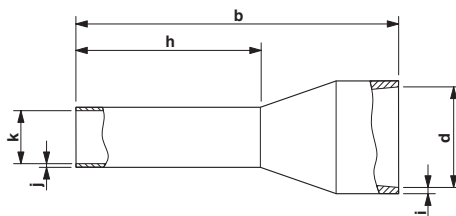
Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine , 230 V design, for isolated taped ferrules 0.25 - 2.5 mm ² , stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm ²			
	CF 3000-2,5	1205477	1
Stripping and crimping machine , 120 V design, for isolated taped ferrules 0.25 - 2.5 mm ² , stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm ²			
	CF 3000-2,5 120V	1205516	1

Accessories

Expansion set , complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm ² , stripping length 8 mm			
Spare locator , 0.25 mm ² 0.5 mm ² 0.75 mm ² 1.0 mm ² 1.5 mm ² 2.5 mm ²			
Spare knife , 0.25 mm ² , adjustable 0.25 mm ² , adjustable 0.5 mm ² 0.75 mm ² 1.0 mm ² 1.5 mm ² 2.5 mm ²			
	CF 3000-TOOLKIT 0,25	1212376	1
	CF 3000 LOC 0,25	1212377	1
	CF 3000 LOC 0,5	1205639	1
	CF 3000 LOC 0,75	1205642	1
	CF 3000 LOC 1,0	1205655	1
	CF 3000 LOC 1,5	1205668	1
	CF 3000 LOC 2,5	1205671	1
	CF 3000 AB 0,25	1212380	1
	CF 3000 AM 0,5	1205587	1
	CF 3000 AM 0,75	1205590	1
	CF 3000 AM 1,0	1205600	1
	CF 3000 AM 1,5	1205613	1
	CF 3000 AM 2,5	1205626	1

Ferrules with plastic sleeves in the form of taped articles for the crimping machine CF 3000-2,5

The taped ferrules have been developed specifically for the crimping machine CF 3000-2,5. They are available in the most important color series up to 2.5 mm². All modular terminal blocks, especially those of the CLIPLINE complete system, can be wired using them.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AI ...-B

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description	Cross-section [mm²]	AWG	Color
-------------	------------------------	-----	-------

Taped ferrule, with plastic sleeve, color range as per
DIN 46228-4: 1990-09, CSA-certified

	0.34	22	Yellow
	0.5	20	White
	0.75	18	Gray
	1	18	Red
	1.5	16	Black
	2.5	14	Blue

Taped ferrules, with plastic sleeve, color code as per
NF C 63-023: 1994-02, CSA-certified

	0.75	18	Blue
	2.5	14	Gray

Taped ferrules, with plastic sleeve, special colors, CSA-certified

	0.34	22	Blue
	0.34	22	Turquoise
	0.5	20	Orange
	0.75	18	White
	1	18	Yellow
	1.5	16	Red

Dimensions [mm]						
a	b	d	h	i	j	k

-	14.00	2.20	8.00	0.25	0.15	0.80
-	14.00	2.50	8.00	0.25	0.15	1.10
-	14.00	2.80	8.00	0.25	0.15	1.30
-	14.00	3.00	8.00	0.30	0.15	1.50
-	14.00	3.40	8.00	0.30	0.15	1.80
-	14.00	4.20	8.00	0.30	0.15	2.30

-	14.00	2.80	8.00	0.25	0.15	1.30
-	14.00	4.20	8.00	0.30	0.15	2.30

-	14.00	2.20	8.00	0.25	0.15	0.80
-	14.00	2.20	8.00	0.25	0.15	0.80
-	14.00	2.50	8.00	0.25	0.15	1.10
-	14.00	2.80	8.00	0.25	0.15	1.30
-	14.00	3.00	8.00	0.30	0.15	1.50
-	14.00	3.40	8.00	0.30	0.15	1.80

Type	Order No.	Pcs. Pkt.
------	-----------	--------------

AI 0,25-8 YE-B	3240251	1000
AI 0,5 - 8 WH-B	3201369	1000
AI 0,75- 8 GY-B	3201372	1000
AI 1 - 8 RD-B	3201385	1000
AI 1,5 - 8 BK-B	3201398	1000
AI 2,5 - 8 BU-B	3201408	500

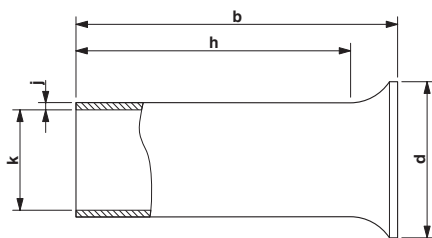
AI 0,75- 8 BU-B	3201547	1000
AI 2,5 - 8 GY-B	3201550	500

AI 0,25-8 BU-B	3240250	1000
AI 0,34-8 TQ-B	3240249	1000
AI 0,5 - 8 OG-B	3201563	1000
AI 0,75- 8 WH-B	3201576	1000
AI 1 - 8 YE-B	3201589	1000
AI 1,5 - 8 RD-B	3201592	1000

Ferrules without insulating collar, in acc. with DIN 46228-1

Ferrules without plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The dimensions of the ferrules correspond to DIN 46228-1.



A ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) These ferrules are not included in DIN 46228-4:1990-09.

General data

Material / coating

E-CU / tin-plated (galvanic)

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	d	h	i	j	k			
Ferrules, without plastic sleeves, CSA-certified													
	0.25 ¹⁾	24	Silver	-	5.00	1.70	-	-	0.15	0.80	A 0,25- 5	3202465	1000
	0.25 ¹⁾	24	Silver	-	7.00	1.70	-	-	0.15	0.80	A 0,25- 7	3202478	1000
	0.34 ¹⁾	22	Silver	-	7.00	1.80	-	-	0.15	0.90	A 0,34- 7	3009202	1000
	0.5	20	Silver	-	6.00	2.10	5.30	-	0.15	1.00	A 0,5 - 6	3200218	1000
	0.5 ¹⁾	20	Silver	-	8.00	2.10	7.30	-	0.15	1.00	A 0,5 - 8	3202481	1000
	0.5	20	Silver	-	10.00	2.10	9.30	-	0.15	1.00	A 0,5 -10	3202494	1000
	0.75	18	Silver	-	6.00	2.30	5.30	-	0.15	1.20	A 0,75- 6	3200221	1000
	0.75 ¹⁾	18	Silver	-	8.00	2.30	7.30	-	0.15	1.20	A 0,75- 8	3202504	1000
	0.75	18	Silver	-	10.00	2.30	9.30	-	0.15	1.20	A 0,75-10	3200234	1000
	1	18	Silver	-	6.00	2.50	5.30	-	0.15	1.40	A 1 - 6	3200247	1000
	1 ¹⁾	18	Silver	-	8.00	2.50	7.30	-	0.15	1.40	A 1 - 8	3202517	1000
	1	18	Silver	-	10.00	2.50	9.30	-	0.15	1.40	A 1 -10	3200250	1000
	1.5	16	Silver	-	7.00	2.80	6.00	-	0.15	1.70	A 1,5 - 7	3200263	1000
	1.5	16	Silver	-	10.00	2.80	9.00	-	0.15	1.80	A 1,5 -10	3200276	1000
	1.5	16	Silver	-	12.00	2.80	11.00	-	0.15	1.70	A 1,5 -12	3202588	1000
	1.5	16	Silver	-	15.00	2.80	14.00	-	0.15	1.70	A 1,5 -15	3202591	1000
	1.5	16	Silver	-	18.00	2.80	17.00	-	0.15	1.70	A 1,5 -18	3202601	1000
	2.5	14	Silver	-	7.00	3.40	6.00	-	0.15	2.20	A 2,5 - 7	3200289	1000
	2.5	14	Silver	-	12.00	3.40	11.00	-	0.15	2.20	A 2,5 -12	3200292	1000
	2.5	14	Silver	-	18.00	3.40	17.00	-	0.15	2.20	A 2,5 -18	3202821	1000
	4	12	Silver	-	9.00	4.00	8.00	-	0.20	2.80	A 4 - 9	3200302	1000
	4	12	Silver	-	12.00	4.00	11.00	-	0.20	2.80	A 4 -12	3200315	1000
	4	12	Silver	-	18.00	4.00	17.00	-	0.20	2.80	A 4 -18	3202834	1000
	6	10	Silver	-	10.00	4.70	9.00	-	0.20	3.50	A 6 -10	3202520	500
	6	10	Silver	-	12.00	4.70	11.00	-	0.20	3.50	A 6 -12	3200328	500
	10	8	Silver	-	12.00	5.80	10.80	-	0.20	4.50	A 10 -12	3200331	500
	10	8	Silver	-	18.00	5.80	16.80	-	0.20	4.50	A 10 -18	3200344	500
	16	6	Silver	-	12.00	7.50	10.50	-	0.20	5.80	A 16 -12	3200425	100
	25 ¹⁾	4	Silver	-	12.00	9.50	10.00	-	0.20	7.30	A 25 -12	3200357	100
	25	4	Silver	-	15.00	9.50	13.00	-	0.20	7.30	A 25 -15	3200360	100
	25	4	Silver	-	18.00	9.50	16.00	-	0.20	7.30	A 25 -18	3200373	100
	25 ¹⁾	4	Silver	-	20.00	9.50	18.00	-	0.20	7.30	A 25 -20	3200386	100
	35	2	Silver	-	18.00	11.00	16.00	-	0.20	8.30	A 35 -18	3200399	100
	35 ¹⁾	2	Silver	-	20.00	11.00	18.00	-	0.20	8.30	A 35 -20	3200409	100

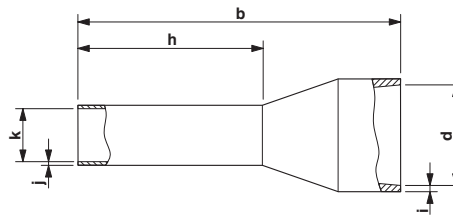
Control cabinet technology - CABINET add-on

Ferrules

Ferrules with insulating collar, in acc. with DIN 46228-4

Ferrules with plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The reliability of the insulation is increased the closer the connections are to one another, and the splicing of wires is prevented.



AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) These ferrules are not included in DIN 46228-4:1990-09.

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description	Cross-section [mm²]	AWG	Color
-------------	------------------------	-----	-------

Ferrules, with plastic sleeve, color range as per
DIN 46228-4: 1990-09, CSA-certified

0.25 ¹⁾	24	Yellow
0.25 ¹⁾	24	Yellow
0.5	20	White
0.5	20	White
0.5	20	White
0.5	20	White
0.5 ¹⁾	20	White
0.75	18	Gray
0.75	18	Gray
0.75	18	Gray
0.75	18	Gray
0.75	18	Gray
1	18	Red
1	18	Red
1	18	Red
1	18	Red
1	18	Red
1.5 ¹⁾	16	Black
1.5	16	Black
1.5	16	Black
1.5	16	Black
1.5	16	Black
1.5	16	Black
2.5	14	Blue
2.5	14	Blue
2.5 ¹⁾	14	Blue
2.5	14	Blue
2.5	14	Blue
4	12	Gray
4	12	Gray
4	12	Gray
6	10	Yellow
6	10	Yellow
10	8	Red
10	8	Red
16	6	Blue
16	6	Blue
25	4	Yellow
25	4	Yellow
25	4	Yellow
35	2	Red
35	2	Red
35	2	Red
50	1/0	Blue
50	1/0	Blue
70 ¹⁾	2	Yellow
95 ¹⁾	4	Red
120 ¹⁾	5	Blue

Dimensions [mm]						
a	b	d	h	i	j	k

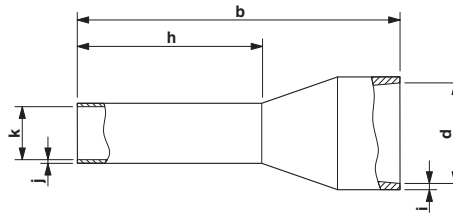
-	10.50	2.00	6.00	0.25	0.15	0.80
-	12.50	2.00	8.00	0.25	0.15	0.80
-	12.00	2.50	6.00	0.25	0.15	1.10
-	14.00	2.50	8.00	0.25	0.15	1.10
-	14.00	2.50	8.00	0.25	0.15	1.10
-	16.00	2.50	10.00	0.25	0.15	1.10
-	18.00	2.50	12.00	0.25	0.15	1.10
-	12.00	2.80	6.00	0.25	0.15	1.30
-	14.00	2.80	8.00	0.25	0.15	1.30
-	14.00	2.80	8.00	0.25	0.15	1.30
-	16.00	2.80	10.00	0.25	0.15	1.30
-	18.00	2.80	12.00	0.25	0.15	1.30
-	12.00	3.00	6.00	0.30	0.15	1.50
-	14.00	3.00	8.00	0.30	0.15	1.50
-	14.00	3.00	8.00	0.30	0.15	1.50
-	16.00	3.00	10.00	0.30	0.15	1.50
-	18.00	3.00	12.00	0.30	0.15	1.50
-	12.00	3.40	6.00	0.30	0.15	1.80
-	14.00	3.40	8.00	0.30	0.15	1.80
-	14.00	3.40	8.00	0.30	0.15	1.80
-	18.00	3.40	10.00	0.30	0.15	1.80
-	18.50	3.40	12.00	0.30	0.15	1.80
-	24.00	3.40	18.00	0.30	0.15	1.80
-	14.00	4.20	8.00	0.30	0.15	2.30
-	14.00	4.20	8.00	0.30	0.15	2.30
-	17.00	4.20	10.00	0.30	0.15	2.30
-	18.00	4.20	12.00	0.30	0.15	2.30
-	24.00	4.20	18.00	0.30	0.15	2.30
-	17.00	4.80	10.00	0.30	0.20	2.80
-	19.00	4.80	12.00	0.30	0.20	2.80
-	26.00	4.80	18.00	0.30	0.20	2.80
-	20.00	6.20	12.00	0.30	0.20	3.50
-	26.00	6.20	18.00	0.30	0.20	3.50
-	22.00	7.50	12.00	0.30	0.20	4.60
-	28.00	7.50	18.00	0.30	0.20	4.60
-	24.00	8.80	12.00	0.40	0.20	5.80
-	28.00	8.80	18.00	0.40	0.20	5.80
-	30.00	11.00	16.00	0.50	0.20	7.30
-	32.00	11.00	18.00	0.50	0.20	7.30
-	35.00	11.00	22.00	0.50	0.20	7.30
-	30.00	12.50	16.00	0.50	0.20	8.30
-	32.00	12.50	18.00	0.50	0.20	8.30
-	39.00	12.50	25.00	0.50	0.20	8.30
-	36.00	15.00	20.00	0.60	0.35	10.30
-	40.00	15.00	25.00	0.60	0.35	10.30
-	37.00	16.00	20.00	0.60	0.35	12.70
-	44.00	18.00	25.00	0.60	0.35	14.70
-	48.00	21.00	27.00	0.70	0.45	16.70

Type	Order No.	Pcs. Pkt.
AI 0,25- 6 YE	3203024	100
AI 0,25- 8 YE	3203037	100
AI 0,5 - 6 WH	3200687	100
AI 0,5 - 8 WH	3200014	100
AI 0,5 - 8 WH -1000	3200881	1000
AI 0,5 -10 WH	3201275	100
AI 0,5 -12 WH	3200506	100
AI 0,75- 6 GY	3200690	100
AI 0,75- 8 GY	3200519	100
AI 0,75- 8 GY -1000	3200894	1000
AI 0,75-10 GY	3201288	100
AI 0,75-12 GY	3200849	100
AI 1 - 6 RD	3200742	100
AI 1 - 8 RD	3200030	100
AI 1 - 8 RD -1000	3200904	1000
AI 1 -10 RD	3200182	100
AI 1 -12 RD	3200674	100
AI 1,5 - 6 BK	3200755	100
AI 1,5 - 8 BK	3200043	100
AI 1,5 - 8 BK -1000	3200917	1000
AI 1,5 -10 BK	3200195	100
AI 1,5 -12 BK	3201482	100
AI 1,5 -18 BK	3200056	100
AI 2,5 - 8 BU	3200522	100
AI 2,5 - 8 BU -1000	3200920	1000
AI 2,5 -10 BU	3202533	100
AI 2,5 -12 BU	3200962	100
AI 2,5 -18 BU	3200580	100
AI 4 -10 GY	3200535	100
AI 4 -12 GY	3200959	100
AI 4 -18 GY	3200593	100
AI 6 -12 YE	3200548	100
AI 6 -18 YE	3200603	100
AI 10 -12 RD	3200551	100
AI 10 -18 RD	3200616	100
AI 16 -12 BU	3200564	100
AI 16 -18 BU	3200629	100
AI 25 -16 YE	3200577	50
AI 25 -18 YE	3201505	50
AI 25 -22 YE	3200700	50
AI 35 -16 RD	3200441	50
AI 35 -18 RD	3201495	50
AI 35 -25 RD	3200713	50
AI 50 -20 BU	3200454	50
AI 50 -25 BU	3200726	25
AI 70 -20 YE	3201848	25
AI 95 -25 RD	3201853	25
AI120 -27 BU	3201822	25

Ferrules with insulating collars in special colors

These ferrules from Phoenix Contact correspond to the dimensions of DIN 46228-4: 1990-09.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

¹⁾ These ferrules are not included in DIN 46228-4:1990-09.



AI ...

General data

Material / coating

Plastic sleeve material

Long/short-term temperature

E-CU / tin-plated (galvanic)

Polypropylene

105°C / 120°C

Ordering data

Description	Cross-section [mm ²]	AWG	Color
-------------	-------------------------------------	-----	-------

Ferrules, with plastic sleeve, special colors, CSA-certified

Dimensions [mm]							
a	b	d	h	i	j	k	

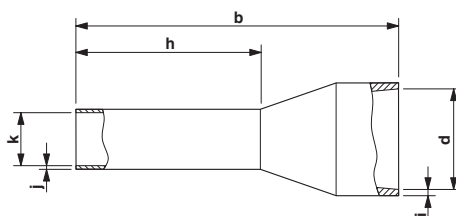
Type	Order No.	Pcs. Pkt.
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0.25 ¹⁾	24	Blue	-	10.50	2.00	6.00	0.25	0.15	0.80	AI 0,25- 6 BU	3203040	100
0.25 ¹⁾	24	Blue	-	16.50	2.00	12.00	0.25	0.25	0.80	AI 0,25-12 BU	3200632	100
0.34 ¹⁾	22	Turquoise	-	10.50	2.00	6.00	0.30	0.15	0.80	AI 0,34- 6 TQ	3203053	100
0.34 ¹⁾	22	Turquoise	-	12.50	2.00	8.00	0.30	0.15	0.80	AI 0,34- 8 TQ	3203066	100
0.34 ¹⁾	22	Turquoise	-	16.50	2.00	12.00	0.30	0.20	0.80	AI 0,34-12 TQ	3200645	100
0.5	20	Orange	-	12.00	2.50	6.00	0.25	0.15	1.10	AI 0,5 - 6 OG	3201301	100
0.5	20	Orange	-	14.00	2.50	8.00	0.25	0.15	1.10	AI 0,5 - 8 OG	3201123	100
0.75	18	White	-	12.00	2.80	6.00	0.25	0.15	1.30	AI 0,75- 6 WH	3201314	100
0.75	18	White	-	14.00	2.80	8.00	0.25	0.15	1.30	AI 0,75- 8 WH	3201110	100
1	18	Yellow	-	12.00	3.00	6.00	0.30	0.15	1.50	AI 1 - 6 YE	3201327	100
1	18	Yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	AI 1 - 8 YE	3201097	100
1.5	16	Red	-	14.00	3.40	8.00	0.30	0.15	1.80	AI 1,5 - 8 RD	3201136	100
2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU	3200522	100
2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	AI 2,5 - 8 BU -1000	3200920	1000
2.5	14	Blue	-	18.00	4.20	12.00	0.30	0.15	2.30	AI 2,5 -12 BU	3200962	100
2.5	14	Blue	-	24.00	4.20	18.00	0.30	0.15	2.30	AI 2,5 -18 BU	3200580	100
4	12	Gray	-	17.00	4.80	10.00	0.30	0.20	2.80	AI 4 -10 GY	3200535	100
4	12	Gray	-	19.00	4.80	12.00	0.30	0.20	2.80	AI 4 -12 GY	3200959	100
4	12	Gray	-	26.00	4.80	18.00	0.30	0.20	2.80	AI 4 -18 GY	3200593	100
6	10	Black	-	20.00	6.20	12.00	0.30	0.20	3.50	AI 6 -12 BK	3201107	100
10	8	ivory	-	22.00	7.50	12.00	0.30	0.20	4.60	AI 10 -12 IV	3201068	100
16	6	Green	-	24.00	8.80	12.00	0.40	0.20	5.80	AI 16 -12 GN	3201152	100
16	6	Green	-	28.00	8.80	18.00	0.40	0.20	5.80	AI 16 -18 GN	3201330	100
25	4	Brown	-	30.00	11.00	16.00	0.50	0.20	7.30	AI 25 -16 BN	3201084	50
35	2	beige	-	30.00	12.50	16.00	0.50	0.20	8.30	AI 35 -16 BE	3201071	50
50	1/0	olive	-	36.00	15.00	20.00	0.60	0.35	10.30	AI 50 -20 OL	3201178	50
95 ¹⁾	4	Red	-	44.00	18.00	25.00	0.60	0.35	14.70	AI 95 -25 RD	3201853	25
120 ¹⁾	5	Blue	-	48.00	21.00	27.00	0.70	0.45	16.70	AI120 -27 BU	3201822	25

Ferrules with insulating collar with color code in acc. with NF C 63-023

These ferrules correspond to the dimensions of DIN 46228-4: 1990-09. The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.



AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

¹⁾ These ferrules are not included in DIN 46228-4:1990-09.

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description	Cross-section [mm ²]	AWG	Color
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Ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified

	0.5	20	White
	0.5	20	White
	0.5	20	White
	0.5	20	White
	0.5 ¹⁾	20	White
	0.75	18	Blue
	1	18	Red
	1	18	Red
	1	18	Red
	1	18	Red
	1	18	Red
	1.5 ¹⁾	16	Black
	1.5	16	Black
	1.5	16	Black
	1.5	16	Black
	1.5	16	Black
	1.5	16	Black
	2.5	14	Gray
	2.5	14	Gray
	2.5	14	Gray
	4	12	Orange
	4	12	Orange
	4	12	Orange
	6	10	Green
	6	10	Green
	10	8	Brown
	10	8	Brown
	16	6	ivory
	25	4	Black
	25	4	Black
	35	2	Red
	35	2	Red
	50	1/0	Blue
	50	1/0	Blue

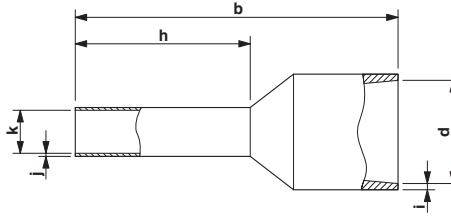
Dimensions [mm]							
a	b	d	h	i	j	k	
-	12.00	2.50	6.00	0.25	0.15	1.10	
-	14.00	2.50	8.00	0.25	0.15	1.10	
-	14.00	2.50	8.00	0.25	0.15	1.10	
-	16.00	2.50	10.00	0.25	0.15	1.10	
-	18.00	2.50	12.00	0.25	0.15	1.10	
-	14.00	2.80	8.00	0.25	0.15	1.30	
-	12.00	3.00	6.00	0.30	0.15	1.50	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	14.00	3.00	8.00	0.30	0.15	1.50	
-	16.00	3.00	10.00	0.30	0.15	1.50	
-	18.00	3.00	12.00	0.30	0.15	1.50	
-	12.00	3.40	6.00	0.30	0.15	1.80	
-	14.00	3.40	8.00	0.30	0.15	1.80	
-	14.00	3.40	8.00	0.30	0.15	1.80	
-	18.00	3.40	10.00	0.30	0.15	1.80	
-	18.50	3.40	12.00	0.30	0.15	1.80	
-	24.00	3.40	18.00	0.30	0.15	1.80	
-	14.00	4.20	8.00	0.30	0.15	2.30	
-	18.00	4.20	12.00	0.30	0.15	2.30	
-	24.00	4.20	18.00	0.30	0.15	2.30	
-	17.00	4.80	10.00	0.30	0.20	2.80	
-	19.00	4.80	12.00	0.30	0.20	2.80	
-	26.00	4.80	18.00	0.30	0.20	2.80	
-	20.00	6.20	12.00	0.30	0.20	3.50	
-	26.00	6.20	18.00	0.30	0.20	3.50	
-	22.00	7.50	12.00	0.30	0.20	4.60	
-	28.00	7.50	18.00	0.30	0.20	4.60	
-	24.00	8.80	12.00	0.40	0.20	5.80	
-	30.00	11.00	16.00	0.50	0.20	7.30	
-	35.00	11.00	22.00	0.50	0.20	7.30	
-	30.00	12.50	16.00	0.50	0.20	8.30	
-	39.00	12.50	25.00	0.50	0.20	8.30	
-	36.00	15.00	20.00	0.60	0.35	10.30	
-	40.00	15.00	25.00	0.60	0.35	10.30	

Type	Order No.	Pcs. Pkt.
AI 0,5 - 6 WH	3200687	100
AI 0,5 - 8 WH	3200014	100
AI 0,5 - 8 WH -1000	3200881	1000
AI 0,5 -10 WH	3201275	100
AI 0,5 -12 WH	3200506	100
AI 0,75 - 8 BU	3200027	100
AI 1 - 6 RD	3200742	100
AI 1 - 8 RD	3200030	100
AI 1 - 8 RD -1000	3200904	1000
AI 1 -10 RD	3200182	100
AI 1 -12 RD	3200674	100
AI 1,5 - 6 BK	3200755	100
AI 1,5 - 8 BK	3200043	100
AI 1,5 - 8 BK -1000	3200917	1000
AI 1,5 -10 BK	3200195	100
AI 1,5 -12 BK	3201482	100
AI 1,5 -18 BK	3200056	100
AI 2,5 - 8 GY	3200069	100
AI 2,5 -12 GY	3200205	100
AI 2,5 -18 GY	3200072	100
AI 4 -10 OG	3200085	100
AI 4 -12 OG	3200438	100
AI 4 -18 OG	3200098	100
AI 6 -12 GN	3200108	100
AI 6 -18 GN	3200111	100
AI 10 -12 BN	3200124	100
AI 10 -18 BN	3200137	100
AI 16 -12 IV	3201181	100
AI 25 -16 BK	3200412	50
AI 25 -22 BK	3200739	50
AI 35 -16 RD	3200441	50
AI 35 -25 RD	3200713	50
AI 50 -20 BU	3200454	50
AI 50 -25 BU	3200726	25

Ferrules for special applications

Ferrules without insulating collar are usually used to crimp short-circuit proof conductors. The function of the plastic sleeve is then often taken over by a shrink fit tubing section.

This complicated process is greatly facilitated by the AI-XL ferrules.



For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



AI-XL ...

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description Cross-section [mm²] AWG Color

Ferrules, with plastic sleeve, color range as per
DIN 46228-4: 1990-09, CSA-certified

	1.5	16	Black
	1.5	16	Black
	2.5	14	Blue
	2.5	14	Blue
	4	12	Gray
	6	10	Yellow
	10	8	Red
	16	6	Blue

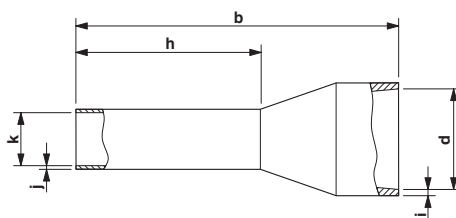
Dimensions [mm]
a b d h i j k

-	17.50	7.00	8.00	0.30	0.15	1.80
-	19.50	7.00	10.00	0.30	0.15	1.80
-	17.50	7.90	8.00	0.30	0.15	2.30
-	21.50	7.90	12.00	0.30	0.15	2.30
-	19.50	7.90	10.00	0.30	0.20	2.90
-	23.00	8.70	12.00	0.30	0.20	3.60
-	24.00	10.20	12.00	0.30	0.20	4.60
-	25.50	12.50	12.00	0.40	0.20	6.00

Type	Order No.	Pcs. Pkt.
AI-XL 1,5- 8 BK	3201916	100
AI-XL 1,5-10 BK	3201974	100
AI-XL 2,5- 8 BU	3201929	100
AI-XL 2,5-12 BU	3201987	100
AI-XL 4 -10 GY	3201932	100
AI-XL 6 -12 YE	3201945	100
AI-XL 10 -12 RD	3201958	100
AI-XL 16 -12 BU	3201961	100

Ferrules for special applications

Conductors with thicker insulation can be crimped in a practical manner using Al ...-GB ferrules. Due to the increased diameter of the insulating collar, this type of ferrule is mainly used in AWG conductors.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



Al ...-GB

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description	Cross-section		Color
	[mm ²]	AWG	

Dimensions [mm]							
a	b	d	h	i	j	k	

Type	Order No.	Pcs. Pkt.
------	-----------	--------------

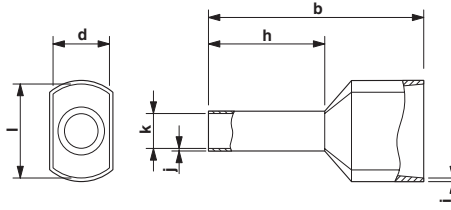
Ferrules, with plastic sleeves, CSA-certified

	0.5	20	White	-	13.50	3.00	8.00	0.25	0.15	1.10	Al 0,5 - 8 WH-GB	1208966	500
	0.5	20	White	-	15.50	3.00	10.00	0.25	0.15	1.10	Al 0,5-10 WH-GB	3203150	100
	0.75	18	Gray	-	14.00	3.40	8.00	0.25	0.15	1.30	Al 0,75- 8 GY-GB	1208979	500
	0.75	18	Gray	-	16.00	3.40	10.00	0.25	0.15	1.30	Al 0,75-10 GY-GB	3203163	100
	1	18	Red	-	14.00	3.40	8.00	0.30	0.15	1.50	Al 1 - 8 RD-GB	1208982	500
	1	18	Red	-	16.00	3.40	10.00	0.30	0.15	1.50	Al 1 -10 RD/1000 GB	1208869	1000
	1.5	16	Black	-	14.00	3.70	8.00	0.30	0.15	1.80	Al 1,5 - 8 BK-GB-1000	3202892	1000
	1.5	16	Black	-	16.00	3.70	10.00	0.30	0.15	1.80	Al 1,5 -10 BK/1000 GB	1208872	1000

Ferrules for special applications

The TWIN ferrules are a practical way of crimping two conductors in one ferrule. Chain bridges are easy to make using these special ferrules.

Different versions of the single TWIN ferrules are available for individual applications.



For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



AI-TWIN 2X...

General data

Material / coating
Plastic sleeve material
Long/short-term temperature

E-CU / tin-plated (galvanic)
Polypropylene
105°C / 120°C

Ordering data

Description Cross-section [mm²] AWG Color

Ferrules, with plastic sleeve, color range as per
DIN 46228-4: 1990-09, CSA-certified

Dimensions [mm]
b d h i j k l

Type Order No. Pcs. Pkt.

2 x 0.5 2 x 20 White
2 x 0.75 2 x 18 Gray
2 x 0.75 2 x 18 Gray

15.00 2.50 8.00 0.25 0.15 1.50 4.70
15.00 2.80 8.00 0.25 0.15 1.80 5.00
17.00 2.80 10.00 0.25 0.15 1.80 5.00

AI-TWIN 2X 0,5 - 8 WH 3200933 100
AI-TWIN 2X 0,75- 8 GY 3200807 100
AI-TWIN 2X 0,75-10 GY 3200975 100

2 x 1 2 x 18 Red
2 x 1 2 x 18 Red

15.00 3.40 8.00 0.30 0.15 2.05 5.40
17.00 3.40 10.00 0.30 0.15 2.05 5.40

AI-TWIN 2X 1 - 8 RD 3200810 100
AI-TWIN 2X 1 -10 RD 3200988 100

2 x 1.5 2 x 16 Black
2 x 1.5 2 x 16 Black

16.00 3.60 8.00 0.30 0.15 2.30 6.60
20.00 3.60 12.00 0.30 0.15 2.30 6.60

AI-TWIN 2X 1,5 - 8 BK 3200823 100
AI-TWIN 2X 1,5 -12 BK 3200991 100

2 x 2.5 2 x 14 Blue
2 x 2.5 2 x 14 Blue

18.50 4.20 10.00 0.30 0.20 2.90 7.80
21.50 4.20 13.00 0.30 0.20 2.90 7.80

AI-TWIN 2X 2,5 -10 BU 3200836 100
AI-TWIN 2X 2,5 -13 BU 3200878 100

2 x 4 2 x 12 Gray

23.00 4.90 12.00 0.30 0.20 3.80 8.80

AI-TWIN 2X 4 -12 GY 3201000 100

2 x 6 2 x 10 Yellow

25.00 5.90 14.00 0.40 0.20 4.90 10.00

AI-TWIN 2X 6 -14 YE 3201013 100

2 x 10 2 x 8 Red

26.00 7.20 14.00 0.40 0.20 6.50 13.00

AI-TWIN 2X10 -14 RD 3201026 100

2 x 16 2 x 6 Blue

31.00 8.80 16.00 0.50 0.20 8.50 16.60

AI-TWIN 2X16 -16 BU 3202847 50

Assortment boxes for ferrules



The practical AI SORTI BOXES make sure your workshop is tidy. The color marking and the transparent cover facilitate fast access to the required ferrules.

With the integrated euro clip they can be hung up on perforated board walls, for example, to save space.



AI ... SORTI BOX ...



Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sorti-box , equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	Red	AI SORTI BOX RD	3202960	1
Sorti-box , equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	Anthracite	AI SORTI BOX ANT	3202973	1
Sorti-box , equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK 25 pcs. of AI-TWIN 2x2,5-10 BU	Blue	AI-TWIN SORTI BOX BU	3202986	1
Sorti-box , equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	Gray	AI-TWIN SORTI BOX GY	3202999	1
Assortment box , empty, with five compartments	Light gray	AI SORTI BOX-E LGY	3203008	10

Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.



CRIMPSET ...



Ordering data

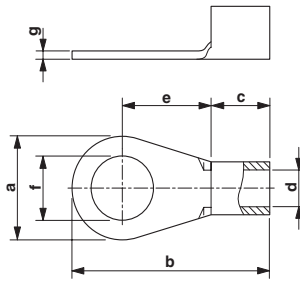
Description	Color	Type	Order No.	Pcs. / Pkt.
Range box , made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of Al 0,25-6 YE, Al 0,34-6 TQ, Al 0,5-8 WH, Al 0,75-8 GY, Al 1-8 RD, Al 1,5-8 BK, 300 pieces of Al 2,5-8 BU, 200 pieces of Al 4-10 GY, 100 pieces of Al 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm ² Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm ² , front insertion, trapezoidal crimp		CRIMPSET 6	1202072	1
Range box , made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of Al 10-12 RD, 200 pieces of Al 16-12 BU, 100 pieces of Al 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm, Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm ² , lateral insertion, WM crimp		CRIMPSET 25	1202580	1
Assortment box , metal, no components mounted		CRIMPSET 6/25 LEER	1204041	1

Ring cable lugs, non-isolated

The ring cable lugs without plastic sleeves from Phoenix Contact consist of high-quality electrolyte copper with tin plating in order to ensure maximum corrosion resistance. The hard-soldered crimping zone enables maximum conductor pull-out forces.

Cable lugs larger than 150 mm²

see www.phoenixcontact.net/eshop.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-RC ...

General data

Material / coating
Temperature range

[°C]

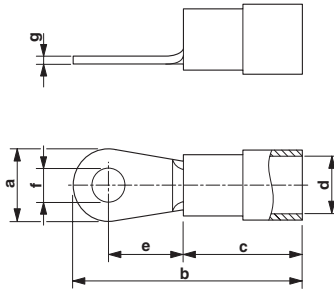
Copper / tin-plated
- ... 110

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Ring cable lug, non-isolated, as per DIN 46234													
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80	C-RC 1/M2,5 DIN	3240069	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80	C-RC 1/M3 DIN	3240070	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80	C-RC 1/M3,5 DIN	3240071	100
	1	18	Silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80	C-RC 1/M4 DIN	3240072	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80	C-RC 1/M5 DIN	3240073	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80	C-RC 1/M6 DIN	3240074	100
	1	18	Silver	14.00	22.00	5.00	1.60	12.00	8.40	0.80	C-RC 1/M8 DIN	3240075	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80	C-RC 2,5/M3 DIN	3240076	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80	C-RC 2,5/M3,5 DIN	3240077	100
	2.5	14	Silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80	C-RC 2,5/M4 DIN	3240078	100
	2.5	14	Silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80	C-RC 2,5/M5 DIN	3240079	100
	2.5	14	Silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80	C-RC 2,5/M6 DIN	3240080	100
	2.5	14	Silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80	C-RC 2,5/M8 DIN	3240081	100
	2.5	14	Silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80	C-RC 2,5/M10 DIN	3240082	100
	6	10	Silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	C-RC 6/M4 DIN	3240083	50
	6	10	Silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	C-RC 6/M5 DIN	3240084	50
	6	10	Silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	C-RC 6/M6 DIN	3240085	50
	6	10	Silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	C-RC 6/M8 DIN	3240086	50
	6	10	Silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	C-RC 6/M10 DIN	3240087	50
	6	10	Silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	C-RC 6/M12 DIN	3240088	50
	10	8	Silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	C-RC 10/M5 DIN	3240089	100
	10	8	Silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	C-RC 10/M6 DIN	3240090	100
	10	8	Silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	C-RC 10/M8 DIN	3240091	100
	10	8	Silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	C-RC 10/M10 DIN	3240092	100
	10	8	Silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	C-RC 10/M12 DIN	3240093	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	C-RC 16/M5 DIN	3240094	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	C-RC 16/M6 DIN	3240095	100
	16	6	Silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	C-RC 16/M8 DIN	3240096	100
	16	6	Silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	C-RC 16/M10 DIN	3240097	100
	16	6	Silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	C-RC 16/M12 DIN	3240098	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	C-RC 25/M5 DIN	3240099	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	C-RC 25/M6 DIN	3240100	100
	25	4	Silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	C-RC 25/M8 DIN	3240101	100
	25	4	Silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	C-RC 25/M10 DIN	3240102	100
	25	4	Silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	C-RC 25/M12 DIN	3240103	100
	25	4	Silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	C-RC 25/M16 DIN	3240104	100
	35	2	Silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	C-RC 35/M6 DIN	3240105	100
	35	2	Silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	C-RC 35/M8 DIN	3240106	100
	35	2	Silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	C-RC 35/M10 DIN	3240107	100
	35	2	Silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	C-RC 35/M12 DIN	3240108	100
	35	2	Silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	C-RC 35/M16 DIN	3240109	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	C-RC 50/M6 DIN	3240110	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	C-RC 50/M8 DIN	3240111	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	C-RC 50/M10 DIN	3240112	100
	50	1/0	Silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	C-RC 50/M12 DIN	3240113	100
	50	1/0	Silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	C-RC 50/M16 DIN	3240114	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	C-RC 70/M6 DIN	3240115	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	C-RC 70/M8 DIN	3240116	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	C-RC 70/M10 DIN	3240117	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	C-RC 95/M8 DIN	3240120	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	C-RC 95/M10 DIN	3240121	50
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	C-RC 95/M12 DIN	3240122	50
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	C-RC 120/M8 DIN	3240124	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	C-RC 120/M10 DIN	3240125	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	C-RC 120/M12 DIN	3240126	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	C-RC 150/M10 DIN	3240128	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	C-RC 150/M12 DIN	3240129	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	C-RC 150/M16 DIN	3240130	25

Ring cable lugs, isolated

The isolated ring cable lugs with plastic sleeves from Phoenix Contact are hard-soldered and are equipped with the 'EASY ENTRY' system. The sleeves taper to a point, thus enabling an easy and correct conductor entry.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-RCI ...

General data

Material / coating
Temperature range

[°C]

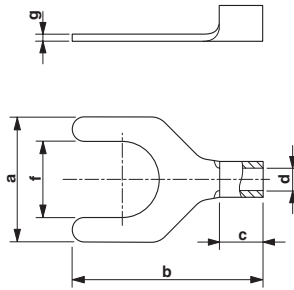
Copper / tin-plated
-20 ... 105

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Ring cable lug, isolated as per UL													
1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	C-RCI 1,5/M3	3240016	100	
1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	C-RCI 1,5/M3,5	3240017	100	
1.5	16	Red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	C-RCI 1,5/M4	3240018	100	
1.5	16	Red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	C-RCI 1,5/M5	3240019	100	
1.5	16	Red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	C-RCI 1,5/M6	3240020	100	
2.5	14	Blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	C-RCI 2,5/M3	3240021	100	
2.5	14	Blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	C-RCI 2,5/M3,5	3240022	100	
2.5	14	Blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	C-RCI 2,5/M4	3240023	100	
2.5	14	Blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	C-RCI 2,5/M5	3240024	100	
2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	C-RCI 2,5/M6	3240025	50	
2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	C-RCI 2,5/M8	3240026	50	
6	14	Yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	C-RCI 6/M4	3240027	50	
6	10	Yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	C-RCI 6/M5	3240028	50	
6	10	Yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	C-RCI 6/M6	3240029	25	
6	10	Yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	C-RCI 6/M8	3240030	25	
6	10	Yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	C-RCI 6/M10	3240031	25	
10	8	Red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	C-RCI 10/M5	3240219	50	
10	8	Red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	C-RCI 10/M6	3240220	50	
10	8	Red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	C-RCI 10/M8	3240221	50	
10	8	Red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	C-RCI 10/M10	3240222	50	

Fork-type cable lugs, non-isolated and isolated

The ring cable lugs without plastic sleeves from Phoenix Contact have a hard-soldered neck and attain maximum conductor pull-out forces in connection with the CRIMPFOX RC /...RCI pliers. The isolated variants are halogen-free and are equipped with "EASY ENTRY".



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-FC ... / C-FCI ...

General data

Material / coating

Temperature range

[°C]

Copper / tin-plated

- ... 110

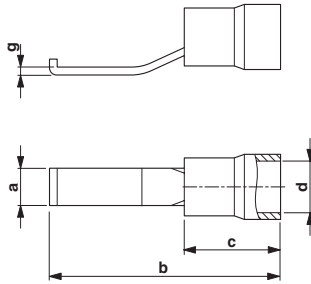
Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Fork-type cable lug, non-isolated DIN 46234													
	1.5	16	Silver	5.70	16.00	4.50	1.90	7.20	3.20	0.75	C-FC 1,5/M3	3240137	100
	1.5	16	Silver	6.20	16.00	4.50	1.90	7.20	3.70	0.75	C-FC 1,5/M3,5	3240138	100
	1.5	16	Silver	7.20	16.00	4.50	1.90	7.20	4.30	0.75	C-FC 1,5/M4	3240139	100
	1.5	16	Silver	8.00	16.00	4.50	1.90	6.50	5.30	0.75	C-FC 1,5/M5	3240140	100
	1.5	16	Silver	10.70	17.00	4.50	1.90	8.00	6.40	0.80	C-FC 1,5/M6	3240141	100
	2.5	14	Silver	5.70	16.00	4.80	2.50	6.50	3.20	0.80	C-FC 2,5/M3	3240142	100
	2.5	14	Silver	6.20	16.00	4.80	2.50	6.50	3.70	0.80	C-FC 2,5/M3,5	3240143	100
	2.5	14	Silver	7.20	16.00	4.80	2.50	6.50	4.30	0.80	C-FC 2,5/M4	3240144	100
	2.5	14	Silver	8.00	16.00	4.80	2.50	6.50	5.30	0.80	C-FC 2,5/M5	3240145	100
	2.5	14	Silver	10.70	17.00	4.80	2.50	7.60	6.40	0.80	C-FC 2,5/M6	3240146	100
	2.5	14	Silver	13.50	22.10	4.80	2.50	7.60	8.40	0.80	C-FC 2,5/M8	3240147	100
	6	10	Silver	8.20	19.50	6.50	3.60	7.60	4.30	1.00	C-FC 6/M4	3240148	50
	6	10	Silver	9.00	19.50	6.50	3.60	8.00	5.30	1.00	C-FC 6/M5	3240149	50
	6	10	Silver	12.00	23.10	6.50	3.60	9.50	6.40	1.00	C-FC 6/M6	3240150	50
	6	10	Silver	13.50	25.00	6.50	3.60	12.00	8.40	1.00	C-FC 6/M8	3240151	50
Fork-type cable lug, isolated as per UL													
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.20	0.75	C-FCI 1,5/M3	3240032	100
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.70	0.75	C-FCI 1,5/M3,5	3240033	100
	1.5	16	Red	7.20	22.00	10.50	4.10	7.20	4.30	0.75	C-FCI 1,5/M4	3240034	100
	1.5	16	Red	8.00	22.00	10.50	4.10	6.50	5.30	0.75	C-FCI 1,5/M5	3240035	100
	1.5	16	Red	10.70	22.00	10.50	4.10	8.00	6.50	0.75	C-FCI 1,5/M6	3240036	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.20	0.80	C-FCI 2,5/M3	3240037	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.70	0.80	C-FCI 2,5/M3,5	3240038	100
	2.5	14	Blue	7.20	22.50	11.00	4.50	6.50	4.30	0.80	C-FCI 2,5/M4	3240039	100
	2.5	14	Blue	8.00	22.50	11.00	4.50	6.50	5.30	0.80	C-FCI 2,5/M5	3240040	50
	2.5	14	Blue	10.70	22.50	11.00	4.50	7.60	6.50	0.80	C-FCI 2,5/M6	3240041	50
	6	10	Yellow	8.20	26.70	14.00	6.60	7.50	4.30	1.00	C-FCI 6/M4	3240042	50
	6	10	Yellow	9.00	26.70	14.00	6.60	8.00	5.30	1.00	C-FCI 6/M5	3240043	50
	6	10	Yellow	12.00	30.30	14.00	6.60	9.90	6.50	1.00	C-FCI 6/M6	3240044	25
	6	10	Yellow	13.50	32.80	14.00	6.60	11.50	8.50	1.00	C-FCI 6/M8	3240045	25

Flat pin cable lugs, isolated

The isolated flat pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:

- "EASY ENTRY" easy and safe conductor entry
- Hard-soldered crimping zone for maximum pull-out forces
- Electrolytically tin-plated
- Free from halogen



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-BCI ...

General data

Material / coating

Temperature range

[°C]

Copper / tin-plated

-20 ... 105

Ordering data

Description	Cross-section		Color
	[mm²]	AWG	
Flat pin cable lug, insulated	1.5	16	Red
	2.5	14	Blue
	6	10	Yellow

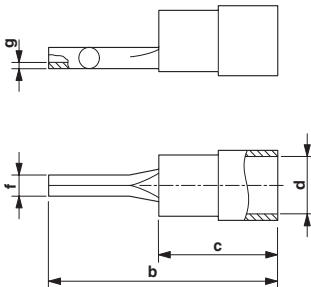
Dimensions [mm]							
a	b	c	d	e	f	g	
2.80	28.00	10.50	4.00	-	-	0.80	
2.80	28.50	11.00	4.50	-	-	0.80	
2.80	32.00	14.00	6.50	-	-	0.80	

Type	Order No.	Pcs. Pkt.
C-BCI 1,5/2,8	3240015	100
C-BCI 2,5/2,8	3240046	100
C-BCI 6/2,8	3240047	50

Pin cable lugs, isolated

The isolated pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:

- "EASY ENTRY" easy and safe conductor entry
- Hard-soldered crimping zone for maximum pull-out forces
- Electrolytically tin-plated
- Free from halogen



C-PCI ...

General data

Material / coating

Temperature range

[°C]

Copper / tin-plated

-20 ... 105

Ordering data

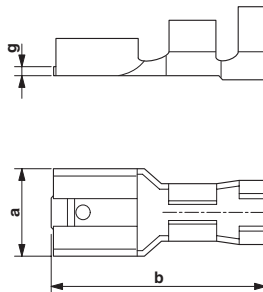
Description	Cross-section		Color
	[mm²]	AWG	
Pin cable lug, isolated as per UL	1.5	16	Red
	2.5	14	Blue
	6	10	Yellow

Dimensions [mm]							
a	b	c	d	e	f	g	
-	22.50	10.50	4.10	-	2.00	0.75	
-	23.00	11.00	4.50	-	2.00	0.80	
-	27.50	14.00	6.60	-	2.70	0.80	

Type	Order No.	Pcs. Pkt.
C-PCI 1,5/2	3240064	100
C-PCI 2,5/2	3240066	100
C-PCI 6/2,7	3240068	50

Slip-on sleeves and flat connectors, non-insulated

The non-isolated slip-on sleeves and flat connectors are made of electrolytically tin-plated brass and supplement the product range in the field of connectors.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-SCF ... / C-SCM ...

General data

Material / coating

Temperature range

[°C]

Copper / tin-plated

- ... 110

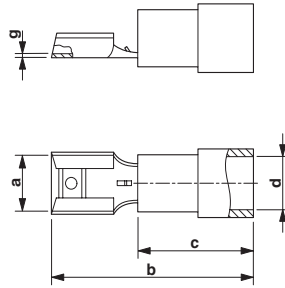
Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Slip-on sleeve, non-isolated as per DIN 46247													
	1	18	Silver	2.80	14.50	-	-	-	-	0.30	C-SCF 1/2,8X0,5	3240152	100
	1	18	Silver	2.80	12.50	-	-	-	-	0.30	C-SCF 1/2,8X0,8	3240153	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	C-SCF 1,5/4,8X0,5	3240154	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	C-SCF 1,5/4,8X0,8	3240155	100
	1.5	16	Silver	6.30	19.20	-	-	-	-	0.40	C-SCF 1,5/6,3X0,8	3240156	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	C-SCF 2,5/4,8X0,5	3240157	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	C-SCF 2,5/4,8X0,8	3240158	100
	2.5	14	Silver	6.30	19.20	-	-	-	-	0.40	C-SCF 2,5/6,3X0,8	3240159	100
	6	10	Silver	6.30	19.20	-	-	-	-	0.40	C-SCF 6/6,3X0,8	3240160	100
Flat connector, non-isolated as per DIN 46248													
	1.5	16	Silver	6.30	20.00	-	-	-	-	0.40	C-SCM 1,5/6,3X0,8	3240161	100
	2.5	14	Silver	6.30	20.00	-	-	-	-	0.40	C-SCM 2,5/6,3X0,8	3240162	100

Slip-on sleeves and flat connectors, insulated

The isolated flat connectors and slip-on sleeves with plastic sleeves from Phoenix Contact are impressive thanks to the following:

- "EASY ENTRY" easy and safe conductor entry
- Hard-soldered crimping zone for maximum pull-out forces
- Electrolytically tin-plated
- Free from halogen



For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



C-SCFI ... / C-SCMI ...

General data

Material / coating

Temperature range

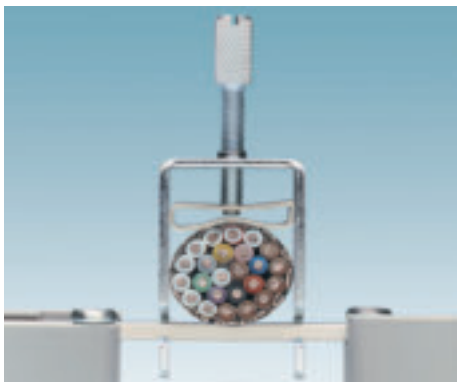
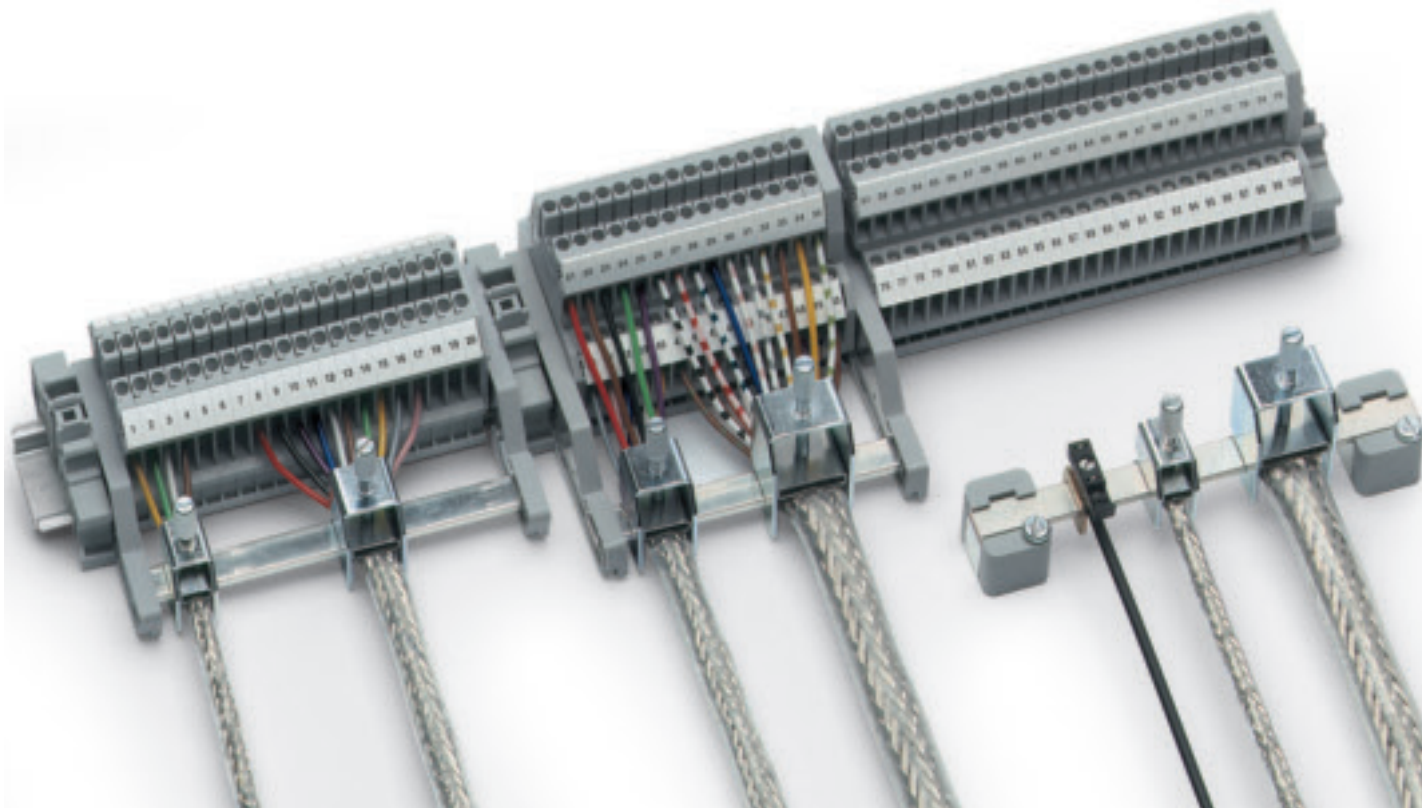
[°C]

Copper / tin-plated

-20 ... 105

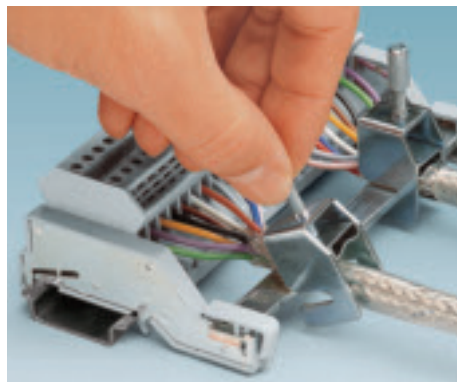
Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Slip-on sleeve, isolated as per UL													
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	C-SCFI 1,5/2,8X0,5	3240048	100
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	C-SCFI 1,5/2,8X0,8	3240049	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	C-SCFI 1,5/4,8X0,5	3240050	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	C-SCFI 1,5/4,8X0,8	3240051	100
	1.5	16	Red	6.30	21.50	10.50	4.10	-	-	0.40	C-SCFI 1,5/6,3X0,5	3240052	100
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	C-SCFI 2,5/4,8X0,5	3240053	50
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	C-SCFI 2,5/4,8X0,8	3240054	50
	2.5	14	Blue	6.30	22.00	11.00	5.00	-	-	0.40	C-SCFI 2,5/6,3X0,8	3240055	50
	6	10	Yellow	6.30	25.00	14.00	6.60	-	-	0.40	C-SCFI 6/6,3X0,8	3240056	50
Flat connector, isolated as per UL													
	1.5	16	Red	6.30	22.00	10.50	4.10	-	-	0.40	C-SCMI 1,5	3240058	100
	2.5	14	Blue	6.30	22.50	11.00	4.50	-	-	0.40	C-SCMI 2,5	3240059	50
	6	10	Yellow	6.30	24.50	14.00	6.60	-	-	0.40	C-SCMI 6	3240060	50



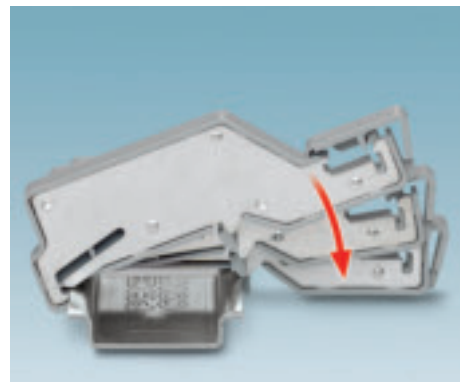
Large-surface shield

Shield clamps from Phoenix Contact are suitable for all conventional cable shields and enable EMC-compliant wiring through extensive surfaces as well as low-impedance and low-ohmic contact transitions.



Simple assembly

Shield clamps from Phoenix Contact provide optimum wiring convenience. The shield clamp is mounted by simply swiveling and turning the knurled screw only after the terminal strip is wired.

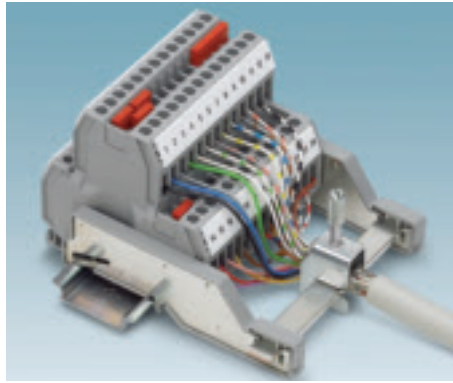


Safe contact

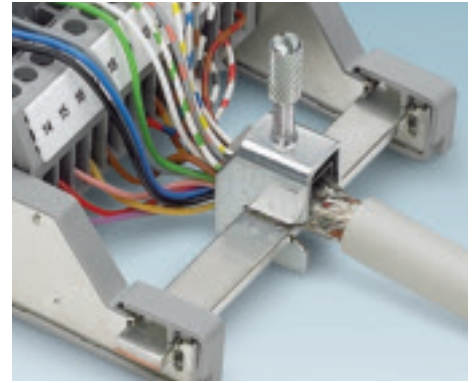
Supports for shield clamps from Phoenix Contact are simply snapped onto the DIN rail. The ground potential is automatically connected to the busbar with the help of the integrated contact metals.



Conductors with a diameter of 2 ... 35 mm can be optimally contacted with the SK series shield clamps without using special auxiliary tools.



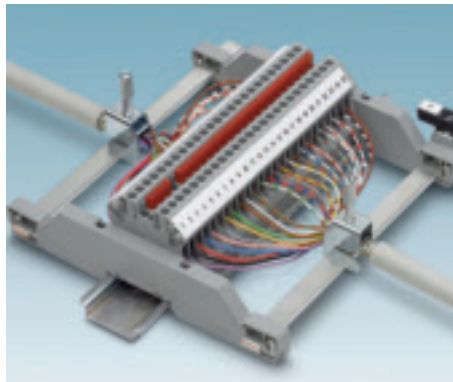
The shield supports AB-SK... connect the ground potential of the DIN rail to the neutral busbar via integrated metal plates.



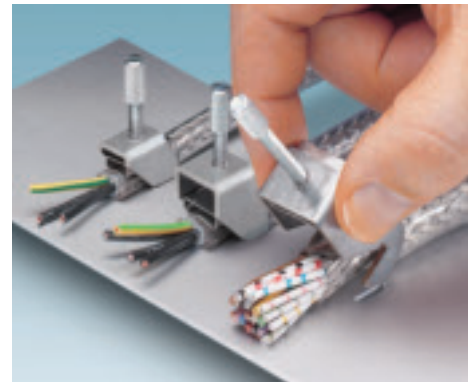
The braided shield is often connected to the ground potential of the system. Large surfaces for guiding the ground potential reduce the emitted interference and the effect of the antenna.



The 3 x 10 mm neutral busbar can also be snapped into the contact zone quickly and reliably. The ground potential is thus automatically connected to the busbar.



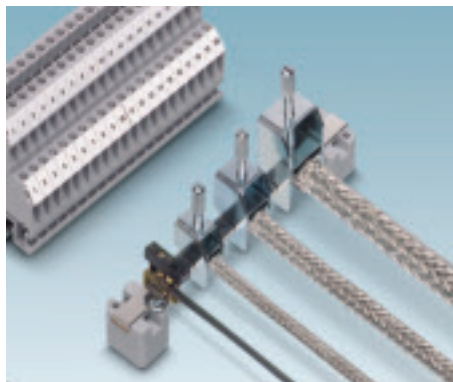
The double support enables easy handling with optimum EMC properties for the two-sided contact area of a shielded conductor. Either an insulated or a grounded structure can be set up.



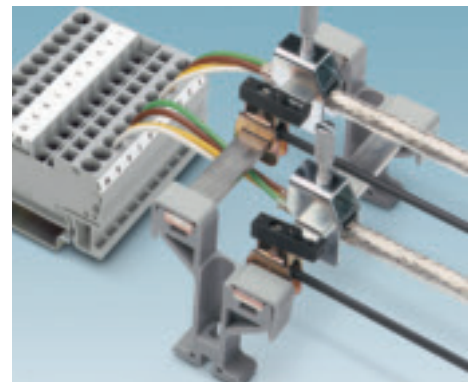
With a similar structure to the SK series, shields with SK ...-D terminal blocks can be directly mounted on the mounting plate or the backplane. The terminal blocks are simply swung-in into two elongated holes above the conductor.



Supports with lateral metal inlay for neutral busbars or T-shaped compact supports AB-SK/E are used for free positioning of shield clamps on the mounting plate.



The shielding can be connected with the ground potential also after insulating it against the protective earth. Here, appropriate contact is established with the neutral busbar using a pick-off terminal block.



Terminal blocks with a front connection can be most easily wired using higher supports. Therefore, even multi-level terminal blocks can be connected with short wiring paths in an EMC-compliant manner.

Control cabinet technology - CABINET add-on

Shield clamps

Shield clamps SK ...

Shield clamps of the SK series optimally make contact with shielded conductors either using a busbar or directly on a mounting plate.

For dimensional drawings, see page 682.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



SK ...



SK ...-D

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block , for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver	SK 5	3025338	10			
Ø 3-8 mm, tightening torque 0.6 Nm	Silver	SK 8	3025163	10			
Ø 3-14 mm, tightening torque 0.8 Nm	Silver	SK 14	3025176	10			
Ø 5-20 mm, tightening torque 0.8 Nm	Silver	SK 20	3025189	10			
Ø 5-28 mm, 1 Nm torque	Silver	SK 28	3026997	10			
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver	SK 35	3026463	10			
Shield connection clamp , for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver				SK 5-D	3025406	10
Ø 3-8 mm, tightening torque 0.6 Nm	Silver				SK 8-D	3026861	10
Ø 3-14 mm, tightening torque 0.8 Nm	Silver				SK 14-D	3026874	10
Ø 5-20 mm, tightening torque 0.8 Nm	Silver				SK 20-D	3026887	10
Ø 5-28 mm, 1 Nm torque	Silver				SK 28-D	3027006	10
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver				SK 35-D	3026890	10

Accessories

Support , for mounting on NS 35..., for 10 x 3 mm busbars		AB-SK	3025341	10			
		AB-SK 65	3026489	10			
Double support , for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars		AB-SK 65-D	3026900	10			
Double support , for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars		AB-SK 65-D ISOLATED	3040889	10			
Support , insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars		AB/SS	0404428	10			
Support , insulating material, with retaining screw, for 3 x 10 mm busbars		AB/SS-M	3025888	10			
Double support , insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm		AB2/SS	0404431	10			
Height 48 mm		ABN 2/SS	0404460	10			
Height 36.8 mm							
Support , for direct mounting with contacting on the mounting surface		AB-SK/E	3026476	10			
PEN conductor busbar , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		NLS-CU 3/10 SN 1000MM	0402174	10			

Shield clamps SKS ...



SKS ...



SKS ...-NS35

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block , for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 3-8 mm		SKS 8	3240210	10			
Ø 3-14 mm		SKS 14	3240211	10			
Ø 5-20 mm		SKS 20	3240212	10			
Shield connection terminal block , for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4							
Ø 3-8 mm		SKS 8-D	3240213	10			
Ø 3-14 mm		SKS 14-D	3240214	10			
Ø 5-20 mm		SKS 20-D	3240215	10			
Shield connection clamps , mounting on DIN rail NS 35..., for shield on busbars							
Ø 3-8 mm					SKS 8-NS35	3240216	10
Ø 3-14 mm					SKS 14-NS35	3240217	10
Ø 5-20 mm					SKS 20-NS35	3240218	10

Accessories

Support , made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars							
	AB/SKS	3240224	10				
Support , made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars							
	AB-SKS 60	3240223	10				
Double support , insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm							
Height 48 mm	AB2/SS	0404431	10				
Double support , insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar							
Height 36.8 mm	ABN 2/SS	0404460	10				

Support



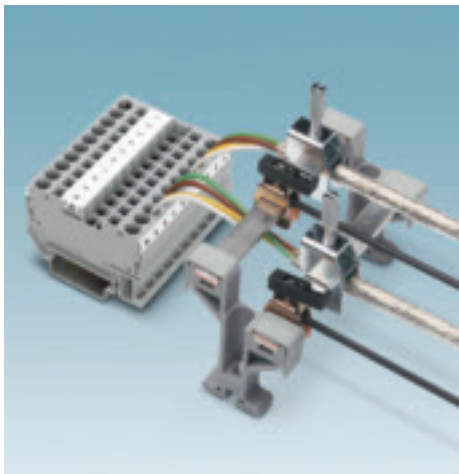
AB-SK ...



AB-SKS 60

General data							
Material		PA			PA		
Ordering data							
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support , for mounting on NS 35..., for 10 x 3 mm busbars	Gray	AB-SK AB-SK 65	3025341 3026489	10 10			
	Gray						
Double support , for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars	Gray	AB-SK 65-D	3026900	10			
Double support , for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars	Gray						
Support , made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars	Gray	AB-SK 65-D ISOLATED	3040889	10			
	Gray						
					AB-SKS 60	3240223	10

Support



AB ...2/SS

General data				
Material		PA		
Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Double support , insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm				
Height 48 mm	Gray	AB2/SS	0404431	10
Height 36.8 mm	Gray	ABN 2/SS	0404460	10

Support



- The supports are available in the designs
- AB/SS for isolated installation on the mounting plate and
 - AB/SS-M for non-isolated installation on the mounting plate

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



AB/SS...



AB/SKS

General data								
Material			PA			PA		
Ordering data								
Description	Color		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support , insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars			AB/SS	0404428	10			
Support , insulating material, with retaining screw, for 3 x 10 mm busbars	Gray		AB/SS-M	3025888	10			
Support , made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars	Gray					AB/SKS	3240224	10

Support



For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.

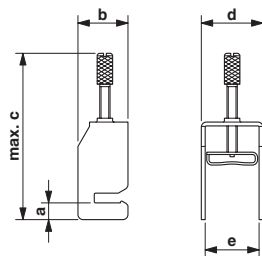


AB-SK/E

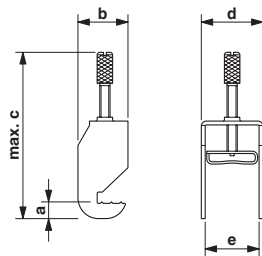
General data					
Material			Aluminum		
Ordering data					
Description	Color		Type	Order No.	Pcs. / Pkt.
Support , for direct mounting with contacting on the mounting surface			AB-SK/E	3026476	10

SK ... shield clamps

Dimensions in mm					
	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



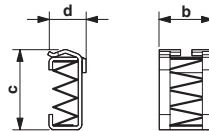
SK ...



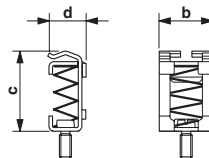
SK ...-D

SKS ... shield clamps

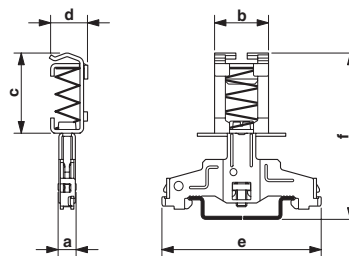
Dimensions in mm						
	a	b	c	d	e	f
SKS 8	-	18	26	12.4	-	-
SKS 14	-	21	32	19	-	-
SKS 20	-	27	40.5	24.7	-	-
SKS 8-D	-	18	26	12.4	-	-
SKS 14-D	-	21	32	19	-	-
SKS 20-D	-	27	40.5	24.7	-	-
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

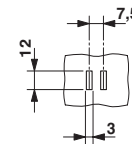


SKS ...-NS35

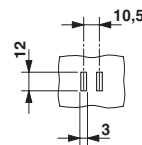
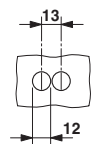
Drilling and punching patterns for SK ...-D

Punching template

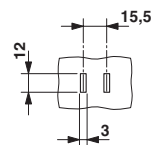
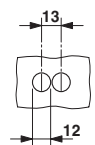
Drilling diagram



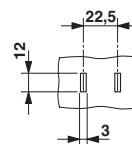
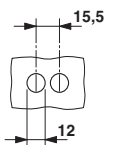
SK 5-D



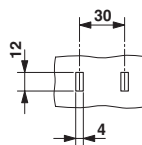
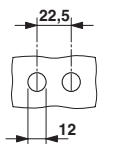
SK 8-D



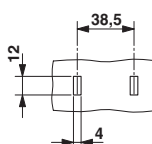
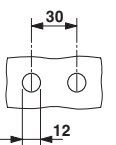
SK 14-D



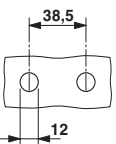
SK 20-D



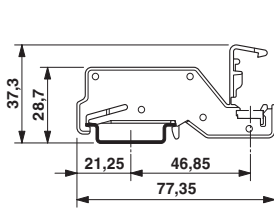
SK 28-D



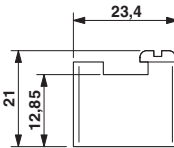
SK 35-D



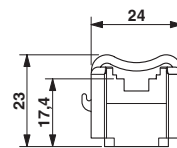
AB ... supports



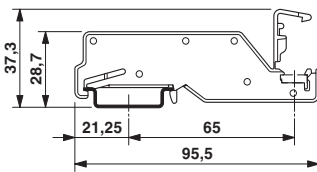
AB-SK



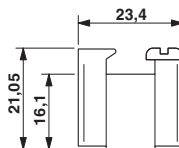
AB/SS



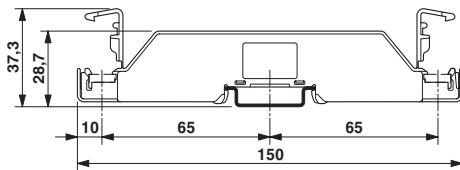
AB/SKS



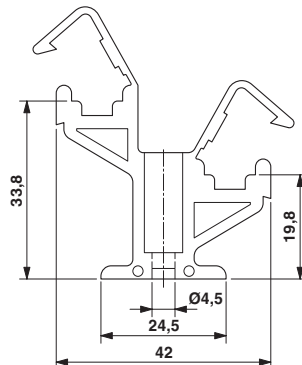
AB-SK 65



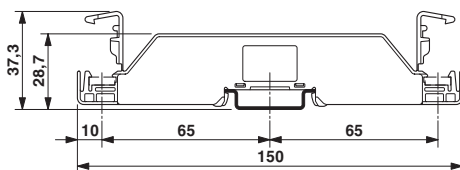
AB/SS-M



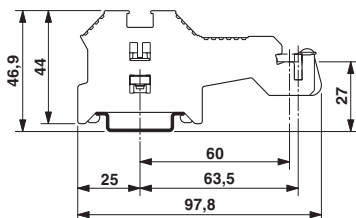
AB-SK 65-D



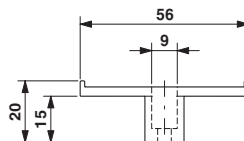
ABN 2/SS



AB-SK 65-D ISOLATED

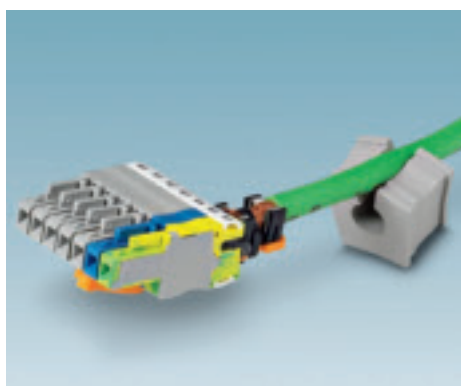
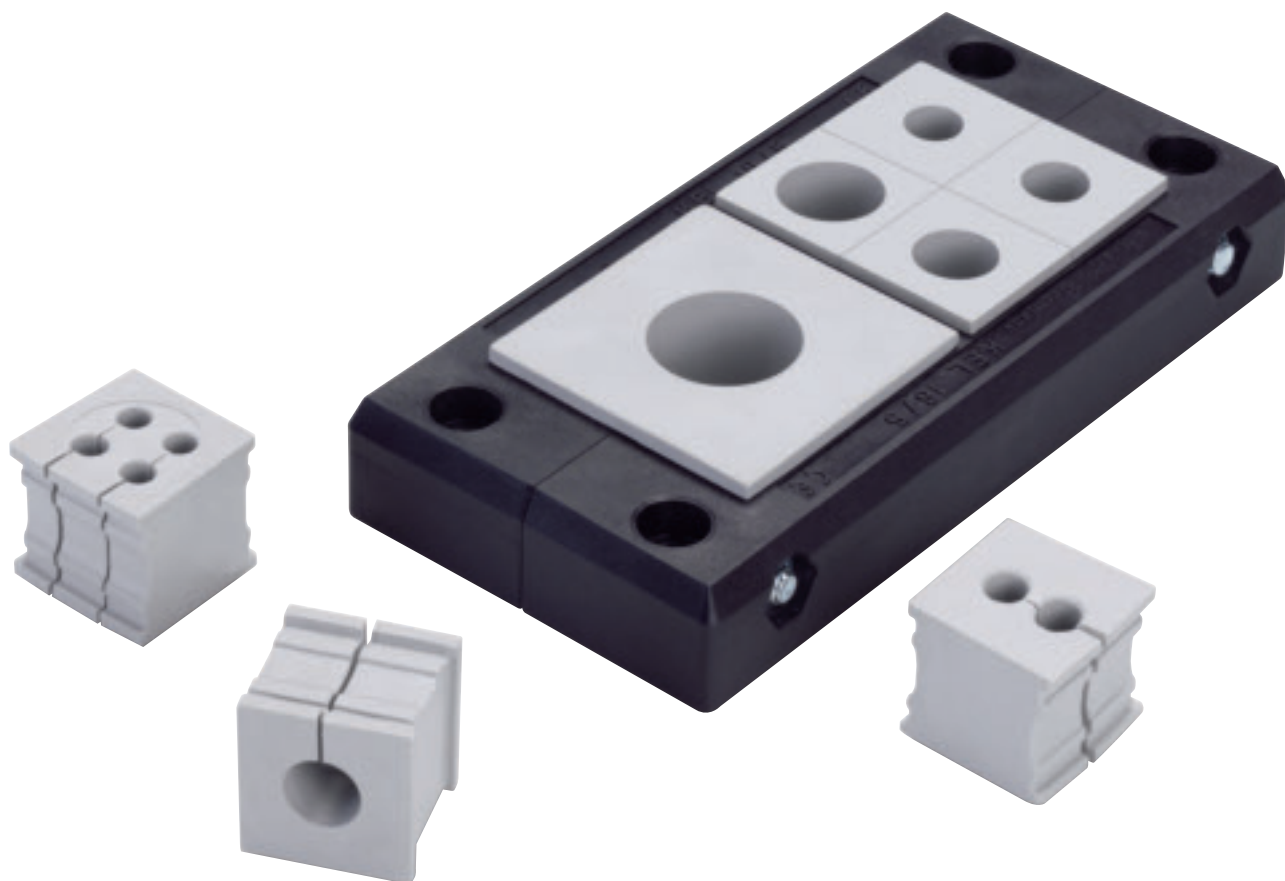


AB-SKS 60



AB-SK/E

KEL cable entry system



Reliable connection

The slit KEL bushings allow quick assembly without having to remove the plugs from the cable. The manufacturer's warranty for preassembled cables therefore remains intact.



Simple assembly

The KEL system has a modular design and allows simple replacement of cables. The fitted gasket can be quickly snapped open and shut with the KEL-SNAP frame.



Space-saving cable entry

Thanks to a standard cutout for heavy-duty connectors, up to 40 cables can be installed in the control cabinet with a KEL system and a large number of connectors can thus be replaced.

KEL sealing and snap-on frames

KEL sealing frames are used to accommodate cable sleeves that are available in various designs. The two different frame sizes are modeled as per the standard cutouts similar to those provided for 16 or 24-pos. connectors. A grommet ensures the IP54 degree of protection.

The KEL-SNAP snap-on frames are available for mounting the KEL sealing frames without tools.

For dimensional drawings, see page 689.



KEL ...



KEL-SNAP ...

Dimensions		Width	Length	Height
		58	120	17
General data		Width	Length	Height
		64	128	38
Material		PA		
Degree of protection		IP54		
Inflammability class acc. to UL 94		V0		
Temperature range	[°C]	-20 ... 80		
		-20 ... 80		
Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Sealing frame , for accommodating:				
Two large sleeves	Black	KEL 16/2	3063015	10
4 small sleeves	Black	KEL 16/4	3063028	10
4 small and 1 large sleeve	Black	KEL 16/5	3063031	10
8 small sleeves	Black	KEL 16/8	3063044	10
Sealing frame , for accommodating:				
2 small and 2 large sleeves	Black	KEL 24/4	3063057	10
5 small sleeves	Black	KEL 24/5	3063060	10
6 small and 1 large sleeve	Black	KEL 24/7	3063073	10
Ten small sleeves	Black	KEL 24/10	3063086	10
Snap-on frames for the small sealing frames, for mounting on standard cutouts of 16-pos. connectors				
	Black			
Snap-on frames for the large sealing frames, for mounting on standard cutouts of 24-pos. connectors				
	Black			
		KEL-SNAP 16	3063099	10
		KEL-SNAP 24	3063109	10

Control cabinet technology - CABINET add-on

Cable entry system

KEL sleeves

The KDT... cable sleeves are used for accommodating pre-assembled cables with a diameter of 3 ... 34 mm. They can be used in the KEL sealing frames and in the mounted condition, they ensure strain relief as per DIN EN 50262. The integrated sealing lips ensure the IP54 degree of protection for the completely equipped system.



KDT ...



KDT ...

General data

Material	Elastomer
Degree of protection	IP54
Inflammability class acc. to UL 94	V0
Temperature range	-20 ... 80 [°C]

Elastomer	Elastomer
IP54	IP54
V0	V0
-20 ... 80	-20 ... 80

Elastomer	Elastomer
IP54	IP54
V0	V0
-20 ... 80	-20 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves , can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for conductors with a diameter of:							
3-4 mm	Gray	KDT 3-4	3063112	10			
4-5 mm	Gray	KDT 4-5	3063125	10			
5-6 mm	Gray	KDT 5-6	3063138	10			
6-7 mm	Gray	KDT 6-7	3063141	10			
7-8 mm	Gray	KDT 7-8	3063154	10			
8-9 mm	Gray	KDT 8-9	3063167	10			
9-10 mm	Gray	KDT 9-10	3063170	10			
10-11 mm	Gray	KDT 10-11	3063183	10			
11-12 mm	Gray	KDT 11-12	3063196	10			
12-13 mm	Gray	KDT 12-13	3063206	10			
13-14 mm	Gray	KDT 13-14	3063219	10			
14-15 mm	Gray	KDT 14-15	3063222	10			
15-16 mm	Gray	KDT 15-16	3063235	10			
16-17 mm	Gray	KDTK 16-17	3063248	10			
17-18 mm	Gray	KDTK 17-18	3063251	10			
Large, slotted cable sleeves , can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7, suitable for conductors with a diameter of:							
16-17 mm	Gray				KDT 16-17	3063264	10
17-18 mm	Gray				KDT 17-18	3063277	10
18-19 mm	Gray				KDT 18-19	3063280	10
19-20 mm	Gray				KDT 19-20	3063293	10
20-21 mm	Gray				KDT 20-21	3063303	10
21-22 mm	Gray				KDT 21-22	3063316	10
22-23 mm	Gray				KDT 22-23	3063329	10
23-24 mm	Gray				KDT 23-24	3063332	10
24-25 mm	Gray				KDT 24-25	3063345	10
25-26 mm	Gray				KDT 25-26	3063358	10
26-27 mm	Gray				KDT 26-27	3063361	10
27-28 mm	Gray				KDT 27-28	3063374	10
28-29 mm	Gray				KDT 28-29	3063387	10
29-30 mm	Gray				KDT 29-30	3063390	10
31-32 mm	Gray				KDT 30-32	3063400	10
32-33 mm	Gray				KDT 32-33	3063413	10
33-34 mm	Gray				KDT 33-34	3063426	10

Special formats of KEL sleeves

The ATG adapter sleeve facilitates accommodation of a small KEL sleeve and can be inserted in the large feed-through positions of the sealing frames. Dummy sleeves do not have any openings and can be used to close unnecessary feed-throughs.



KDT ...



ATG / BT...

General data

Material	Elastomer
Degree of protection	IP54
Inflammability class acc. to UL 94	V0
Temperature range	-20 ... 80 [°C]

Material	Elastomer
Degree of protection	IP54
Inflammability class acc. to UL 94	V0
Temperature range	-20 ... 80 [°C]

Material	Elastomer
Degree of protection	IP54
Inflammability class acc. to UL 94	V0
Temperature range	-20 ... 80 [°C]

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves , can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 2 conductors with a diameter of:							
2 x 6 mm	Gray	KDT 2/6	3063439	10			
2 x 7 mm	Gray	KDT 2/7	3063442	10			
Small, slotted cable sleeves , can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 4 conductors with a diameter of:							
4 x 4 mm	Gray	KDT 4/4	3063455	10			
4 x 5 mm	Gray	KDT 4/5	3063468	10			
Adapter sleeve , can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7							
	Gray				ATG	3063497	10
Small dummy sleeve , can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10							
	Gray				BTK	3063471	10
Large dummy sleeve , can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7							
	Gray				BTG	3063484	10

Control cabinet technology - CABINET add-on

Cable entry system

KEL accessories

The KEL plugs are provided for closing unused cable sleeves. If required, the plugs can always be replaced with cables of a suitable diameter.

The shielding can be diverted directly onto the housing without a cable interruption when using EMC cable intercepting strips. Subsequent mounting is possible.



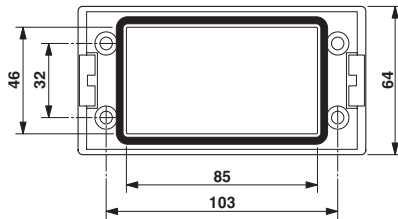
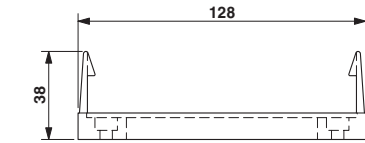
KDT-ST ...



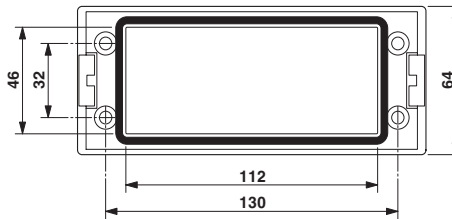
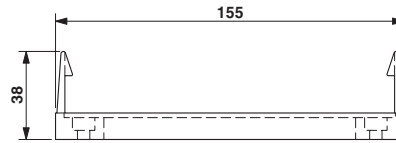
KEL-EMV ...

General data							
Material		PA		High-grade steel			
Degree of protection		IP54		-			
Inflammability class acc. to UL 94		V0		-			
Temperature range	[°C]	-20 ... 80		- ... -			
Ordering data							
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Plugs , for closing unoccupied cable sleeves with a diameter of:							
3 mm	White	KDT-ST 3	3063921	25			
4 mm	White	KDT-ST 4	3063934	25			
5 mm	White	KDT-ST 5	3063947	25			
6 mm	White	KDT-ST 6	3063950	25			
7 mm	White	KDT-ST 7	3063963	25			
8 mm	White	KDT-ST 8	3063976	25			
9 mm	White	KDT-ST 9	3063989	25			
10 mm	White	KDT-ST 10	3063992	25			
11 mm	White	KDT-ST 11	3064001	25			
12 mm	White	KDT-ST 12	3062016	25			
13 mm	White	KDT-ST 13	3062029	25			
14 mm	White	KDT-ST 14	3062032	25			
15 mm	White	KDT-ST 15	3062045	25			
16 mm	White	KDT-ST 16	3062058	25			
17 mm	White	KDT-ST 17	3062061	25			
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 16/...					KEL-EMV 16-4	3063507	5
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 24/...					KEL-EMV 24-5	3063510	5
EMC cable catch rail for mounting on the diagonal side of the KEL sealing frames KEL 16/... and KEL 24/...					KEL-EMV-F	3063523	5

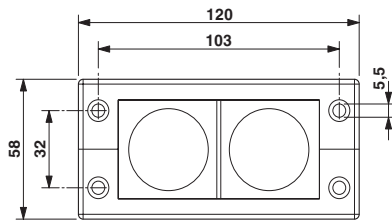
**Dimensional drawings for KEL...
sealing and snap-on frames**



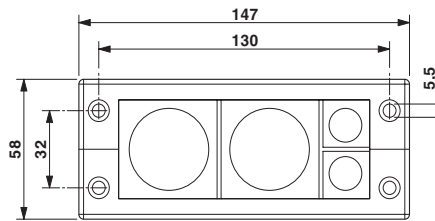
KEL-SNAP 16



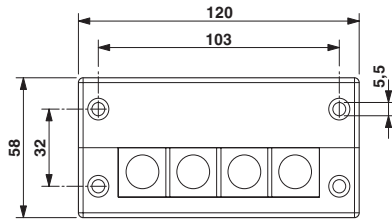
KEL-SNAP 24



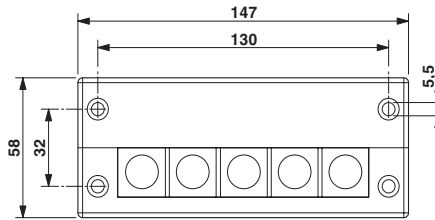
KEL 16/2



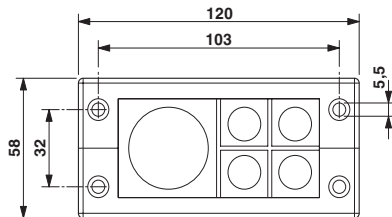
KEL 24/4



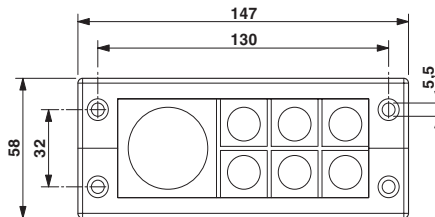
KEL 16/4



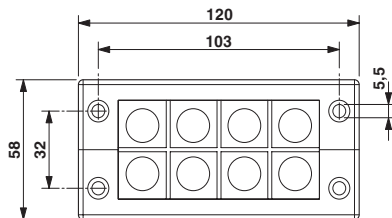
KEL 24/5



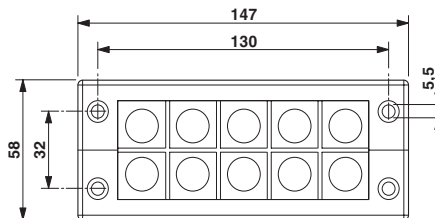
KEL 16/5



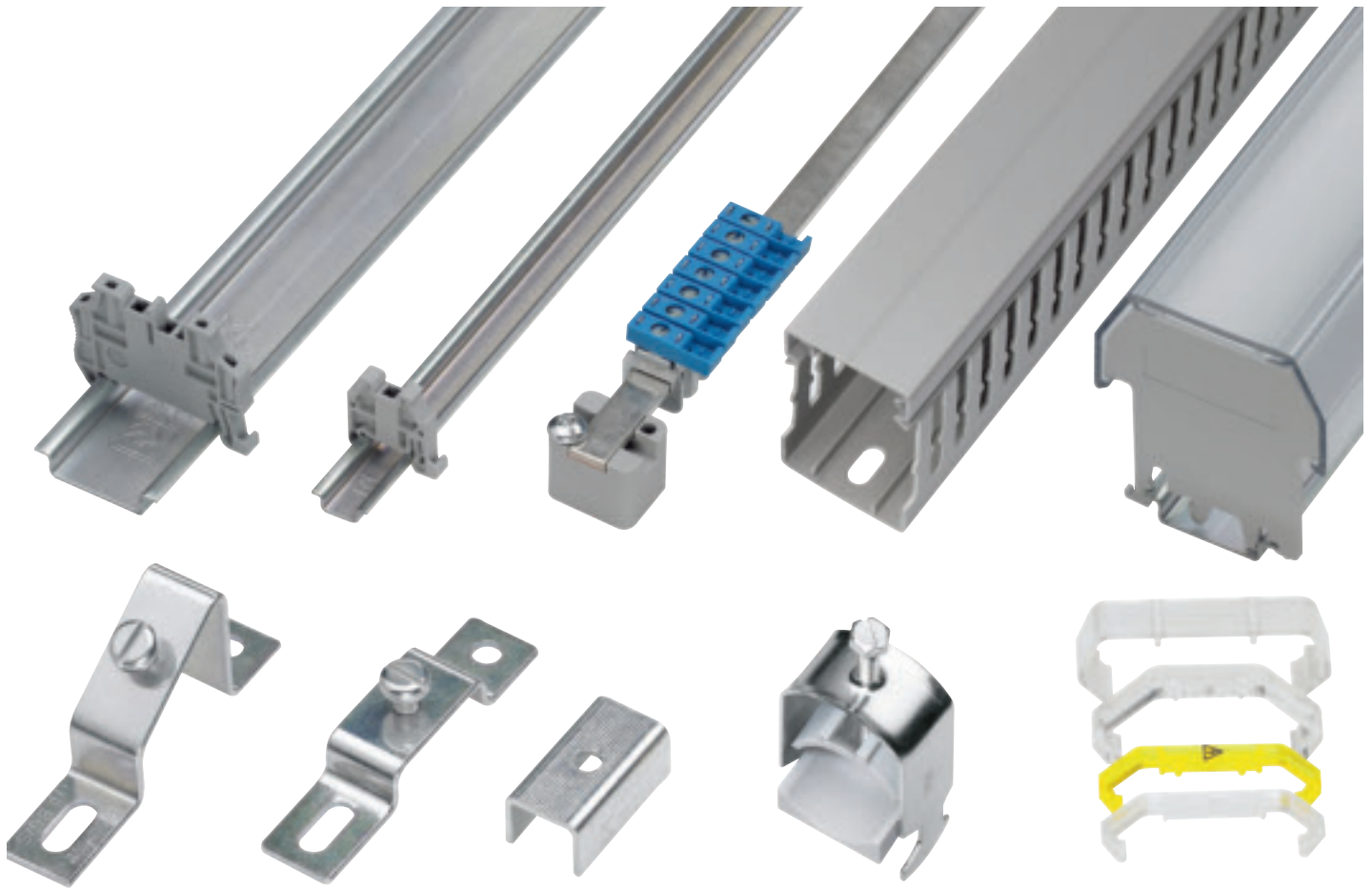
KEL 24/7



KEL 16/8



KEL 24/10



Safe mounting of electrical connections and components in switchgear can be implemented in a time-saving manner using suitable mounting facilities. The space in the control cabinet can be used optimally by combining the mounting accessories appropriately. DIN rails form the basis of the "insides" of the control cabinet. They guarantee a secure hold of the rail-mountable components.

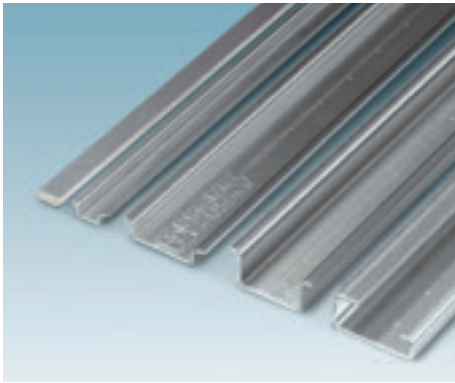
Phoenix Contact provides a wide range of standardized rails made of various materials. They can be supplied cut to length with pre-drilled holes. Cable catching clamps and their rails complete the range. End brackets are used for a secure lateral hold of the components, especially in the

event of jolts and vibrations in the systems. Depending on the application, they must be either fastened using screws or simply snapped onto the DIN rails as in the case of the CLIPFIX series. Marking carriers can be snapped onto the end brackets and serve for clarity and for optimal separation of individual terminal strip blocks.

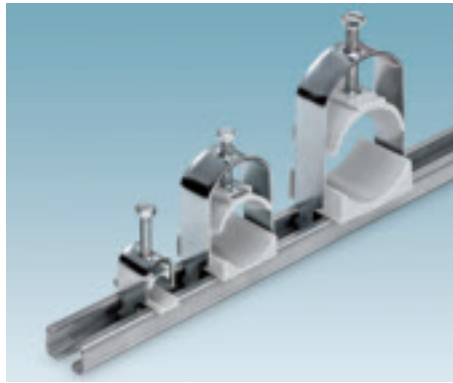
The extensive range of cover profiles guarantees the required safety.

The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.

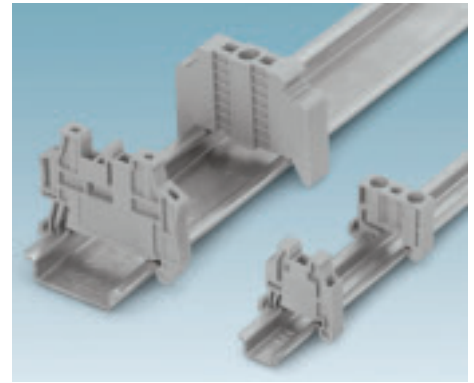
The mounting material range is rounded off by the installation materials with the pick-off, European and socket terminal blocks.



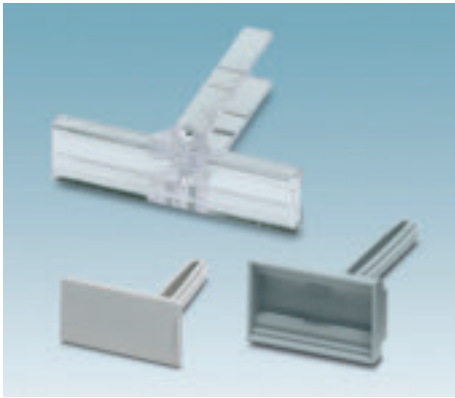
In the construction of control cabinets, the NS 15 and NS 35 rails are characterized by a high degree of dimensional accuracy and double surface tempering. They are galvanized and passivated and thus RoHS-compliant.



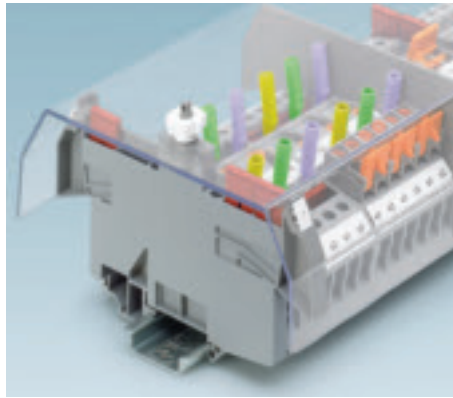
The cable clamps allow easy and safe laying of individual or bundled cables with a diameter of up to 64 mm. The halogen-free plastic pans offer an optimum tight fit as well as protection for the conductor.



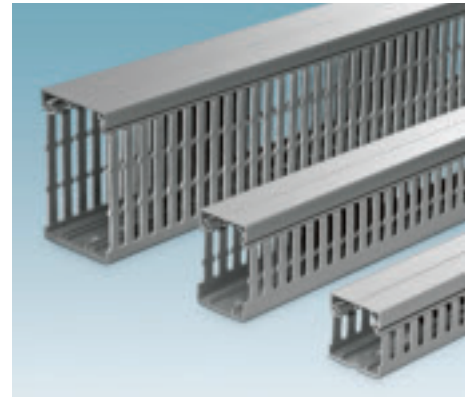
In connection with the NS 15 and NS 35 DIN rails, the end brackets provide an optimal tight fit for the components on the rails. A comprehensive range of end brackets is available for each application.



The terminal strip markers allow an easy, clear layout of the DIN rails and their components and thus facilitate assignment during the wiring and maintenance of systems.



The cover profiles serve to cover the live parts and also offer protection against the undesired operation of terminal points or disconnect terminal blocks.



The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.



Phoenix Contact offers various connection terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear.



The wide range of European terminal blocks includes terminal blocks with and without wire protection. Toolless separation of the individual positions is possible with a simple turn.



The push-in connection method of the socket terminal block series allows solid conductors or conductors with ferrules to be easily pushed into the terminal point. Low insertion forces and high pull-out forces ensure a safe connection.

Control cabinet technology - CABINET add-on

Mounting material

DIN rails NS 15, flat design

The design of the DIN rails complies with the European standard EN 60715.

Particular attention is paid to a high degree of dimensional accuracy and surface tempering. All DIN rails are also available cut to length.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

1) Please specify the desired length in millimeters when placing your order. See order example.

2) Please specify the desired length and bore hole when placing your order. See order example.



NS 15 ...
Unperforated



NS 15 ...
Perforated

General data

Material

Steel

Steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated , in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m							
Unperforated	Silver	NS 15 UNPERF 2000MM	1401695	5			
DIN rail, unperforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications ¹⁾	Silver	NS 15 UNPERF/...	1208089	1			
DIN rail, unperforated in acc. with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length acc. to customer specifications and provided with mounting holes ²⁾	Silver	NS 15 UNPERF/SO/...	1208092	1			
DIN rail, perforated , in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m					NS 15 PERF 2000MM	1401682	5
Perforated	Silver				NS 15 PERF/...	1208102	1
DIN rail, perforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications ¹⁾	Silver				NS 15 AL PERF 2000MM	1401763	5
DIN rail, perforated , dimensions in acc. with EN 60715 - 15 x 5.5 mm, supply length: 2 m, Material: aluminum	Silver						

DIN rails NS 35, flat design

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

1) Please specify the desired length in millimeters when placing your order. See order example.

2) Please specify the desired length and bore hole when placing your order. See order example.



NS 35/7,5 ...
Unperforated



NS 35/ 7,5 ...
Perforated

General data							
Material		Steel			Steel		
Ordering data		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Description	Color	DIN rail, unperforated , in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver	NS 35/ 7,5 UNPERF 2000MM	0801681	5	
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications ¹⁾	Silver	NS 35/ 7,5 UNPERF/...	1208115	1			
	Silver						
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications and provided with mounting holes ²⁾	Silver	NS 35/ 7,5 UNPERF/SO/...	1208128	1			
	Silver						
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver	NS 35/ 7,5 ZN UNPERF 2000MM	1206434	5			
	Silver						
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: copper	copper	NS 35/ 7,5 CU UNPERF 2000MM	0801762	5			
	copper						
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: high-grade steel V2A	Silver	NS 35/ 7,5 V2A UNPERF 2000MM	0801377	5			
	Silver						
DIN rail, unperforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, Material: aluminum	Silver	NS 35/ 7,5 AL UNPERF 2000MM	0801704	5			
	Silver						
DIN rail, perforated , in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver				NS 35/ 7,5 PERF 2000MM	0801733	5
	Silver						
DIN rail, perforated , in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m	Silver				NS 35/ 7,5 PERF 755MM	1207640	10
	Silver						
Length: 755 mm	Silver				NS 35/ 7,5 PERF 955MM	1207653	10
	Silver						
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				NS 35/ 7,5 PERF 1155MM	1207666	10
	Silver						
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver						
	Silver						
DIN rail, perforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications ¹⁾	Silver				NS 35/ 7,5 PERF/...	1208131	1
	Silver						
DIN rail, perforated , dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver				NS 35/ 7,5 ZN PERF 2000MM	1206421	5
	Silver						

Control cabinet technology - CABINET add-on

Mounting material

DIN rails NS 35, tall design

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

1) Please specify the desired length in millimeters when placing your order. See order example.

2) Please specify the desired length and bore hole when placing your order. See order example.



NS 35/15 ...

Unperforated



NS 35/15 ...

Perforated

General data					
Material		Steel		Steel	
Ordering data					
Description	Color	Type	Order No.	Pcs. / Pkt.	
DIN rail, unperforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver	NS 35/15 UNPERF 2000MM	1201714	5	
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications¹)	Silver	NS 35/15 UNPERF/...	1208144	1	
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications and provided with mounting holes²)	Silver	NS 35/15 UNPERF/SO/...	1208157	1	
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver	NS 35/15 ZN UNPERF 2000MM	1206586	5	
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, 2.3 mm thick, galvanized and thick layer passivated, tall design, for universal cut, supply length: 2 m	Silver	NS 35/15-2.3 UNPERF 2000MM	1201798	5	
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tall design, supply length: 2 m, material: copper	copper	NS 35/15 CU UNPERF 2000MM	1201895	5	
DIN rail, perforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver				NS 35/15 PERF 2000MM 1201730 5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, for cabinet width / depth of 0.8 m	Silver				NS 35/15 PERF 755MM 1207679 10
Length: 755 mm	Silver				NS 35/15 PERF 955MM 1207682 10
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				NS 35/15 PERF 1155MM 1207695 10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver				
DIN rail, perforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m, cut to length according to the customer specifications¹)	Silver				NS 35/15 PERF/... 1208160 1
DIN rail, perforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver				NS 35/15 ZN PERF 2000MM 1206599 5

DIN rails NS 35 and DIN rails with cable clamps

The cable clamps help in strain relief and make it possible to lay individual or bundled cables with diameters of up to 64 mm easily and safely. The halogen-free plastic tanks provide optimum security while providing protection to the conductor at the same time.

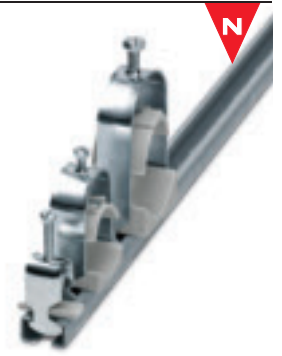
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.



NS 35/15 AL ...

Unperforated



NS 30/15 PERF.2000MM

For cable clamps

Dimensions	[mm]
General data	
Material	

Width	Length	Height
35	2000	15
Aluminum		

Width	Length	Height
30	2000	15
Steel		

Ordering data

Description	Color
-------------	-------

DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m

Silver

DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, cut to length according to customer specifications

Silver

Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material:** Steel

M4	Silver
M5	Silver
M6	Silver

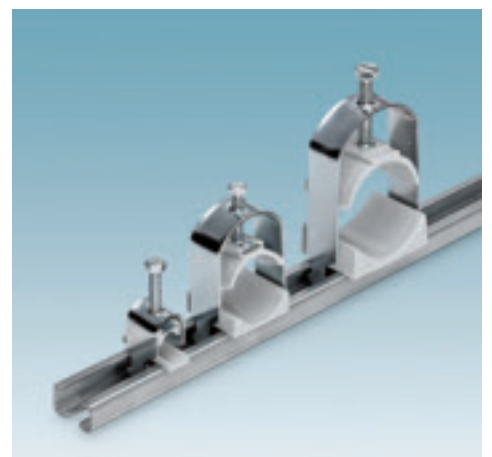
DIN rails, for cable clamps

Type	Order No.	Pcs. / Pkt.
NS 35/15 AL UNPERF 2000MM	1201756	5
NS 35/15 AL UNPERF/...	1210213	1
GLM 4	1201769	100
GLM 5	1201772	100
GLM 6	1201785	100

Type	Order No.	Pcs. / Pkt.
NS 30/15 PERF.2000MM	3240262	5
WCC 14	3240252	25
WCC 18	3240253	25
WCC 22	3240254	25
WCC 26	3240255	25
WCC 30	3240256	25
WCC 34	3240257	25
WCC 38	3240258	25
WCC 42	3240259	25
WCC 56	3240260	25
WCC 64	3240261	25

Cable clamp, for DIN rail

For cable diameters of 6 - 14 mm
For cable diameters of 12 - 18 mm
For cable diameters of 18 - 22 mm
For cable diameters of 22 - 26 mm
For cable diameters of 26 - 30 mm
For cable diameters of 30 - 34 mm
For cable diameters of 34 - 38 mm
For cable diameters of 38 - 42 mm
For cable diameters of 42 - 56 mm
For cable diameters of 56 - 64 mm



Control cabinet technology - CABINET add-on

Mounting material

Screwless end bracket for the NS 15 and NS 35 DIN rails

The CLIPFIX is characterized by its excellent fit despite having a width of only 5 mm. Moreover, it provides a "parking facility" for jumpers and test plugs.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



CLIPFIX 15



CLIPFIX 35 ...

Dimensions	
	[mm]
General data	
Material	PA
Inflammability class acc. to UL 94	V2

Width	Length	Height
5.2	22	22.6

Width	Length	Height
5.15	48.5	35

Ordering data

Description	Color
End bracket , for snapping onto NS 15, 5.2 mm wide, labeling with ZB 5 and ZBF 5, KLM, parking facilities for bridges and test accessories	Gray
End bracket , for snapping onto NS 35, 5.15 mm wide, labeling with ZB 5, parking facility for bridges and test plugs	Gray
End bracket , to snap on NS 35, 9.5 mm wide, can be labeled with ZB 6, ZB 8/27, KLM...	Gray

Type	Order No.	Pcs. / Pkt.
CLIPFIX 15	3022263	50

Type	Order No.	Pcs. / Pkt.
CLIPFIX 35-5	3022276	50
CLIPFIX 35	3022218	50

Screw-on end bracket for NS 35 and NS 32 DIN rails

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



E/UK



E/UK 1

Dimensions	
	[mm]
General data	
Material	PA
Inflammability class acc. to UL 94	V2

Width	Length	Height
9.5	50.5	35.3

Width	Length	Height
10	55.5	50

Ordering data

Description	Color
End bracket , to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A and UBE	Gray
Universal end bracket , to screw on, for NS 35 and NS 32, for supporting the ends of double level and three level terminal blocks, can be labeled with ZB 10	Gray

Type	Order No.	Pcs. / Pkt.
E/UK	1201442	50

Type	Order No.	Pcs. / Pkt.
E/UK 1	1201413	50

Screw-on end bracket for NS 15 DIN rail

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



E/MBK



E/MK 1

Dimensions		Width	Length	Height
		6.1	22	11.4
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description	Color			
End bracket , to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1				
	Gray	E/MBK	1401637	100
End bracket , to screw on NS 15, 6.1 mm wide, can be fastened with a screw, can be labeled with KLM 1				
	Gray			

Dimensions		Width	Length	Height
		6.1	21.2	18
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description	Color			
End bracket , to screw on NS 15, 6.1 mm wide, can be fastened with a screw, can be labeled with KLM 1				
	Gray	E/MK 1	1421659	100

Screw-on end bracket for NS 35 DIN rail

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



E/NS 35 N



E/AL-NS 35

Dimensions		Width	Length	Height
		9.5	48.6	32.8
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description	Color			
End bracket , to screw on NS 35, can be equipped with terminal strip marker KLM-A or ZB 8				
	Gray	E/NS 35 N	0800886	50
Aluminum end clamp , for screwing on, for end support of 50 - 240 mm ² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...				
	Silver			

Dimensions		Width	Length	Height
		10	59	44
General data				
Material		Aluminum		
Inflammability class acc. to UL 94		-		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description	Color			
Aluminum end clamp , for screwing on, for end support of 50 - 240 mm ² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...				
	Silver	E/AL-NS 35	1201662	10

Control cabinet technology - CABINET add-on

Mounting material

Terminal strip marking system

The KLM was developed especially for the CLIPFIX end bracket. The fine grading allows unrestricted adjustment of the height of the labeling field.

The KLM 3-L is suitable for multi-level terminal blocks and can be cut at two defined points.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



KLM 2



KLM 3...

General data								
Material		PA				PA		
Inflammability class acc. to UL 94		V2				V2		
Temperature range	[°C]	-40 ... 100				-40 ... 100		
Components		Halogen-free				Halogen-free		
Ordering data								
Description	Color	Type	Order No.	Pcs. / Pkt.		Type	Order No.	Pcs. / Pkt.
Terminal strip marker , adjustable height, for end clamp CLIPFIX ..., can be labeled with SS-ZB								
Lettering field size: 20 x 8 mm	Gray	KLM 2	0807575	100				
Terminal strip marker , adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8)... label or with B-STIFT or X-PEN	Gray							
	Gray					KLM 3	0811969	100
Can be cut to length	Gray					KLM 3-L	0814788	100

Terminal strip marking system

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



KLM 1



KLM

General data								
Material		ABS				ABS		
Inflammability class acc. to UL 94		HB				HB		
Temperature range	[°C]	-40 ... 80				-40 ... 80		
Components		Free from silicone and halogen				Free from silicone and halogen		
Ordering data								
Description	Color	Type	Order No.	Pcs. / Pkt.		Type	Order No.	Pcs. / Pkt.
Terminal strip markers , for E/MK, E/MK 1 and E/MBK end bracket, lettering field size: 24 x 4 mm								
	Transparent	KLM 1	1004319	100				
Terminal strip markers , for E/UK or CLIPFIX 35 end brackets, lettering field size: 25 x 6 mm								
	Transparent					KLM	1004306	100
Accessories								
Insert strip for thermal transfer printer , 1 roll = 5,000 markers, lettering field size: 24 x 4 mm								
Lettering field size: 24 x 4 mm	White	EMT (24X4)R	0816265	1				
Lettering field size: 25 x 6 mm	White					EMT (25X6)R	0817264	1

Terminal strip marking system

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.

1) Please specify the required marking with order.



KLM-A



UBE...

General data

Material	ABS
Inflammability class acc. to UL 94	-
Temperature range	[°C] -40 ... 80
Components	Free from silicone and halogen

Ordering data

Description	Color
Terminal strip markers , for strip marking, adjustable height, for use with end clamps E/UK, E/NS 35 N or CLIPFIX 35, lettering field size: 44 x 7 mm	Transparent
Terminal strip marker carriers , for marking terminal groups, for end bracket E/UK, lettering field: 40 x 17 mm Hood material: PE	Gray
Terminal strip marker carrier , for marking terminal block groups, for mounting on NS 32... or NS 35... DIN rail, lettering field size: 40 x 17 mm Hood material: PE	Gray

Type	Order No.	Pcs. / Pkt.
KLM-A	1004348	100

PA
V2
-40 ... 100
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
UBE	0800310	10
UBE/D	0800307	10

Accessories

Insert strip for thermal transfer printer , for terminal strip marker UBE/D or UBE Lettering field size: 40 x 17 mm, 1 roll = 2,300 labels	White
Insert strip for laser printer , perforated, for terminal strip marker KLM-A Lettering field size: 44 x 7 mm Lettering field size: 40 x 17 mm	White White
Special printing, insert strips , marking according to customer requirements ¹⁾ Lettering field size: 44 x 7 mm Lettering field size: 40 x 17 mm	White

ESL 44X 7	0808244	10
ESL 44X 7 SO:CMS	0814322	1

EMT (40X17)R	0817293	1
ESL 40X17	0808095	10
ESL 40X17 SO:CMS	0809418	1

Control cabinet technology - CABINET add-on

Mounting material

Angled brackets

The BG/S... brackets enable the DIN rail to be mounted with spacing or at an angle of 30°.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



BG/S ...



BG/SH ...

Dimensions	
	[mm]
General data	
Material	Steel

Width	Length	Height
19.7	87	35.4
General data		
Material	Steel	

Width	Length	Height
20	84	46
General data		
Material	Steel	

Ordering data

Description	Color
Angled bracket , for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver
Angled brackets , with DIN rail limit stop, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver

Type	Order No.	Pcs. / Pkt.
BG/S	1201086	10
BG/SA	1201604	10

Type	Order No.	Pcs. / Pkt.
BG/SH	1201099	10
BG/SHA	1201594	10

Flat brackets

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



BG/F



BG/F 1

Dimensions	
	[mm]
General data	
Material	Steel

Width	Length	Height
20	84	12
General data		
Material	Steel	

Width	Length	Height
20	37	15
General data		
Material	Steel	

Ordering data

Description	Color
Flat bracket , for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	Silver
Flat bracket , is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	Silver

Type	Order No.	Pcs. / Pkt.
BG/F	1201060	10

Type	Order No.	Pcs. / Pkt.
BG/F 1	1201112	10

Universal adapter

The universal adapters help in fastening and accommodating electrical or electronic switching devices.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



USA 10...

Dimensions		Width	Length	Height
		43	10	19
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description				
		Universal rail adapter , for NS 35... or NS 32... DIN rail, for accommodation of switching devices, 10 mm wide		
For M3 screws		USA 10	1201578	10
For M5 screws		USA 10/4,6	1202713	10

Mounting accessories

The supports help in protection-insulated accommodation of DIN rails.

The DIN rail end pieces are available for NS 35/7.5 and NS 35/15.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AB/NS



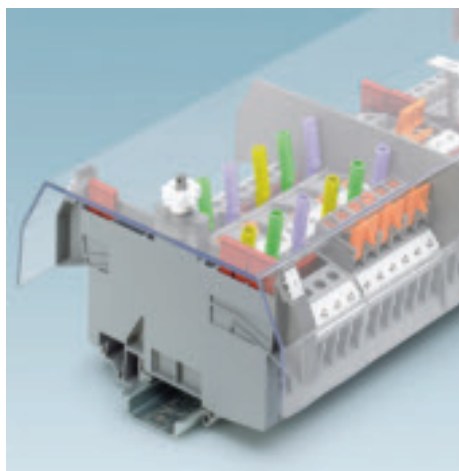
NS 35/... CAP

Dimensions		Width	Length	Height
		38	35	21
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		
Ordering data		Type	Order No.	Pcs. / Pkt.
Description				
		Support , for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips		
DIN rail end piece		AB/NS	1201141	10
for DIN rail NS 35/7,5				
		NS 35/ 7,5 CAP	1206560	100
		NS 35/15 CAP	1206573	100

Control cabinet technology - CABINET add-on

Mounting material

Cover profiles



The AP... cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AP-ME ...

General data				
Material		PVC		
Temperature range		-15 ... 65		
[°C]				
Ordering data				
Description		Color		
Cover profile, supply length 1 m				
Transparent				
Cover profile, please specify the desired length in cm				
Type		Order No.		Pcs. / Pkt.
AP-ME	METER	3034361		10
AP-ME	CM	3034345		1

Holder for AP-ME cover profiles

The APH-ME end clamp is for the AP-ME cover. It provides parking options for FBS ...-8 plug-in bridges and can also be sealed. The holder serves as a partition plate or an intermediate support for long terminal strips.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



APH-ME



APT-ME

General data								
Material		PA			PA			
Inflammability class acc. to UL 94		V2			V2			
Temperature range	[°C]	-40 ... 115			-40 ... 115			
Ordering data								
Description		Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
End brackets, for AP-ME cover profile, sealable, with storage option for plug-in bridges		Gray	APH-ME	3034374	10			
		Gray				APT-ME	3034358	10

Cover profiles

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.

¹⁾ When ordering please specify the desired length in cm. Accuracy
1 mm.



AP ...



A/U / VAH

General data

Material
Inflammability class acc. to UL 94
Temperature range [°C]

PVC
-
-15 ... 65

Polycarbonate PC
V2
-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cover profile , for terminal strips, can be labeled with insert strips AP-ES, a cover profile carriers should be placed at the ends and at intervals of approx. 40 cm, maximum supply length: 1 m ¹⁾							
Can be snapped onto cover profile carrier AP 2-TU	Transparent	AP 2 CM	5022889	1			
Can be snapped onto AP 3-TU or AP 3-TNS 35	Transparent	AP 3 CM	5022876	1			
Cover profile carrier , for mounting on NS 32 or NS 35 DIN rail, for fixing the cover profile AP, 2 mm thick, material: PA							
	Gray	AP 2-TU	5022630	50			
	Gray	AP 3-TU	5022656	50			
Sealable cover profile , for mounting on NS 35 DIN rail, for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm							
	Gray	AP 3-TNS 35	5022672	10			
U-shaped cover , inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications ¹⁾							
	Transparent				A/U CM	5021110	1
Adjustable cover holder , for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA							
	Gray				VAH	1201468	10

Accessories

Insert strips, for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm

AP-ES	5022685	10
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Control cabinet technology - CABINET add-on

Mounting material

Cover profiles

The AP... cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



EA ...



APK ...

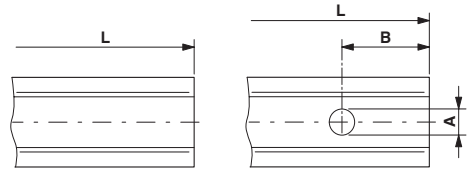
General data							
Material		ABS			Polycarbonate PC		
Inflammability class acc. to UL 94		HB			V2		
Temperature range	[°C]	-40 ... 80			-40 ... 115		
Components		Free from silicone and halogen			Free from silicone and halogen		
Ordering data							
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Single cover , for covering the UK 2,5 neutral terminal, snap fit							
	Transparent	EA 4	0805360	50			
Single cover , for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS, UK 4-LOER terminals, snap fit							
	Transparent	EA 5	1024014	100			
Single cover , for covering the UK 16 neutral terminal, snap fit							
	Transparent	EA 7	1024250	100			
Single cover , for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS, UK 4-LOER terminals, snap fit, black print: Lightning flash							
	Yellow	EA 5-WS	1024085	100			
Single cover , for covering the UK 35, UIK 35 terminal, cannot be labeled, snap fit							
	Transparent	EA 11	1024263	50			
Holding profile , is snapped into the cover holder APK-TU, with groove for zack marker strip ZB 5 up to ZB 10 , length: 2 m							
	Transparent				APK 1	5022795	10
Holding profile , is snapped into the cover holder APK-TU, with groove for zack marker strip ZB 5 up to ZB 10 , length: 2 m							
	Gray				APK-HP METER	5022818	2
Cover profile holder , 10 mm width, for mounting on NS 32 or NS 35, for fixing the holding profile APK-HP, can be labeled with zack marker strip ZB 10 Material: PA							
	Gray				APK-TU	5022805	10

**Sample configuration for
NS 35/15 UNPERF/SO/...:**

(minimum order 20 pieces)

When ordering 20 unperforated NS 35/15 DIN rails with 6 mm $\varnothing$ end holes on both sides (as 20 mm elongated holes, the hole center of which is 50 mm from the end of the rail) and a length of 550 mm, the following information must be given:

Qty	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20	1208157	550	6	50	20

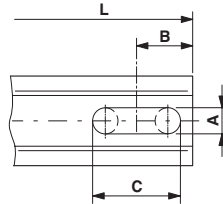


**Sample configuration for
NS 35/7,5 UNPERF/...:**

(minimum order 20 pieces)

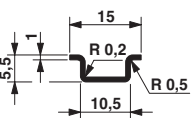
When ordering 20 unperforated NS 35/7,5 DIN rails without end holes and with a length of 1750 mm, the following information must be given:

Qty	Order No.	Length in mm
20	1208115	1750

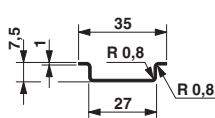


L = Length
A = Hole diameter [mm]
B = Distance between the end and the hole center [mm]
C = Length of the elongated hole [mm]
The following dimensions are possible:
Round hole: C = 0
Elongated hole: C = 10, 15, 20 or 25 mm

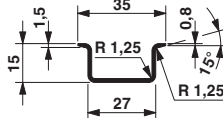
Dimensional drawings for DIN rails



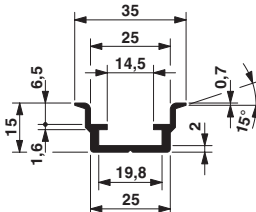
NS 15



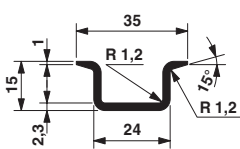
NS 35/7,5



NS 35/15

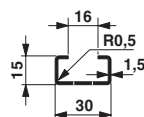


NS 35/15-AL



NS 35/15-2.3

Dimensional drawing for DIN rails



NS 30/15 PERF.

Control cabinet technology - CABINET add-on

Mounting material

Wiring channels and accessories

The wide range of wiring channels in sizes from 25 x 25 mm to 100 x 100 mm make it possible for the user to lay cables flexibly, quickly and easily when installing the control cabinet. A predetermined breaking point on the lateral webs makes it possible to break the webs without burr and without using tools. Another predetermined breaking point in the wiring channel floor makes it possible to establish T and cross connections seamlessly and quickly. Lateral snapping on of the cover ensures easy assembly and removal as well as a secure hold even in horizontal and vertical applications.

The bars are designed such that conductors that are led out laterally can be safely fixed even without covers. The wire holding bracket can be installed at the desired height and ensures safe support to the laid cables.

The **PPS CD M wiring channel cutter** cuts channels and covers up to 125 mm width and 2.5 mm wall thicknesses burr-free and non-cutting in no time. A spring-mounted knife protection provides the necessary safety.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



CD ...

Dimensions		Width	Length	Height
	[mm]	25	2000	25
Weight	[kg]	-		
Length of the measuring bar	[mm]	-		
Length of the hand lever	[mm]	-		
Wiring channels (wall thickness)	[mm]	-		
Cutting width	[mm]	-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Wiring channel , consisting of a lower and an upper part				
W x H: 25 x 25 mm	Gray	CD 25X25	3240187	25
W x H: 25 x 40 mm	Gray	CD 25X40	3240188	24
W x H: 25 x 60 mm	Gray	CD 25X60	3240191	30
W x H: 25 x 80 mm	Gray	CD 25X80	3240197	10
W x H: 30 x 40 mm	Gray	CD 30X40	3240278	1
W x H: 30 x 60 mm	Gray	CD 30X60	3240280	1
W x H: 30 x 80 mm	Gray	CD 30X80	3240282	1
W x H: 30 x 100 mm	Gray	CD 30X100	3240283	1
W x H: 40 x 40 mm	Gray	CD 40X40	3240189	25
W x H: 40 x 60 mm	Gray	CD 40X60	3240192	20
W x H: 40 x 80 mm	Gray	CD 40X80	3240198	10
W x H: 60 x 40 mm	Gray	CD 60X40	3240190	20
W x H: 60 x 60 mm	Gray	CD 60X60	3240193	12
W x H: 60 x 80 mm	Gray	CD 60X80	3240199	10
W x H: 60 x 100 mm	Gray	CD 60X100	3240263	8
W x H: 80 x 25 mm	Gray	CD 80X25	3240281	1
W x H: 80 x 60 mm	Gray	CD 80X60	3240194	10
W x H: 80 x 80 mm	Gray	CD 80X80	3240200	6
W x H: 80 x 100 mm	Gray	CD 80X100	3240264	8
W x H: 100 x 40 mm	Gray	CD 100X40	3240279	10
W x H: 100 x 60 mm	Gray	CD 100X60	3240195	8
W x H: 100 x 80 mm	Gray	CD 100X80	3240201	6
W x H: 100 x 100 mm	Gray	CD 100X100	3240205	6
W x H: 120 x 60 mm	Gray	CD 120X60	3240196	6
W x H: 120 x 80 mm	Gray	CD 120X80	3240202	8
Wiring channel, upper part				
For a width of 25 mm	Gray			
For a width of 40 mm	Gray			
For a width of 60 mm	Gray			
For a width of 80 mm	Gray			
For a width of 100 mm	Gray			
For a width of 120 mm	Gray			
Universal wire holding bracket , pre-perforated for wiring channel widths of 40, 60, 80 and 100 mm				
Wiring channel cutter , for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm				
Black				





CD COVER ...



CD WR



PPS CD M

Wiring channel cutter

Width	Length	Height
25	2000	
-		
-		
-		
-		
-		

Width	Length	Height
-		
-		
-		
-		
-		

Width	Length	Height
285	280	290
10.5		
1000		
500		
2.50		
125		

Type	Order No.	Pcs. / Pkt.
CD COVER 25	3240285	14
CD COVER 40	3240286	14
CD COVER 60	3240287	10
CD COVER 80	3240288	10
CD COVER 100	3240289	6
CD COVER 120	3240290	6

Type	Order No.	Pcs. / Pkt.
CD WR	3240284	10

Type	Order No.	Pcs. / Pkt.
PPS CD M	1207569	1

Control cabinet technology - CABINET add-on

Installation material

Neutral busbar

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



NLS-CU 3/10 SN 1000MM



NLS-CU 6/ 6 SN 1000MM

Dimensions
[mm]
General data
Material

Width	Length	Height
10	1000	3
Copper		

Width	Length	Height
6	1000	6
Copper		

Ordering data

Description	Color
PEN conductor busbar , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	
	Silver
PEN conductor busbar , in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	
	Silver

Type	Order No.	Pcs. / Pkt.
NLS-CU 3/10 SN 1000MM	0402174	10

Type	Order No.	Pcs. / Pkt.
NLS-CU 6/ 6 SN 1000MM	0402161	10

Supports for neutral busbars

Three supports are available for holding the busbars:

- The AB/SS for one rail
- The AB 2/SS for offset arrangement of neutral and (PE) busbars
- The lower ABN 2/SS

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



AB/SS...



AB .../SS

Dimensions
[mm]
General data
Material
Inflammability class acc. to UL 94

Width	Length	Height
19.4	23.4	21.7
PA		
V2		

Width	Length	Height
19	23	36.8
PA		
V2		

Ordering data

Description	Color
Support , insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	
	Gray
Double support , insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar	
Height 36.8 mm	Gray
Height 48 mm	Gray

Type	Order No.	Pcs. / Pkt.
AB/SS	0404428	10

Type	Order No.	Pcs. / Pkt.
ABN 2/SS	0404460	10
AB2/SS	0404431	10

Power terminals

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



EK 116



EK 135

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Nominal current / cross-section	[A] / [mm²]
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]

Width	Length	Height	
8	40	36	
I _{max.} [A]	Max. Ø [mm²]		AWG
76	0.5 - 16		20 - 6
IEC	UL / CUL	CSA	IEC/ EN 60079-7
57 / 10	- / -	- / -	-
Solid		Stranded	Ferrule without / with plastic sleeve
0.5 - 16		0.5 - 10	0.5 - 16 0.5 - 10
0.5 - 10		0.5 - 10	0.5 - 10 -
			0.5 - 10
General data			
14			
M5			
2.5 - 3			

Width	Length	Height	
12	40	37	
I _{max.} [A]	Max. Ø [mm²]		AWG
125	0.75 - 35		18 - 2
IEC	UL / CUL	CSA	IEC/ EN 60079-7
125 / 35	- / -	- / -	-
Solid		Stranded	Ferrule without / with plastic sleeve
0.75 - 35		0.75 - 3	0.75 - 35 0.75 - 35
0.75 - 10		0.75 - 10	0.75 - 10 -
			0.75 - 10
General data			
14			
M6			
3.2 - 3.7			

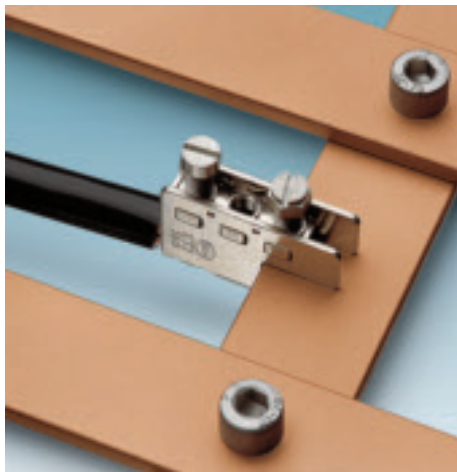
Ordering data

Description	Color
Power terminal block , copper, nickel-plated	Aluminum

Type	Order No.	Pcs. / Pkt.
EK 116	0401010	10

Type	Order No.	Pcs. / Pkt.
EK 135	0401023	10

Branch terminal blocks



In switchgear and control gear, it is often necessary to branch flat copper busbars. The AZK 35 branch terminal block simplifies this in the following ways: the terminal block can be placed at any position on the copper bar (up to a thickness of max. 5 mm) after assembly and clamped firmly.

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



AZK 35

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Nominal current / cross-section	[A] / [mm²]
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]

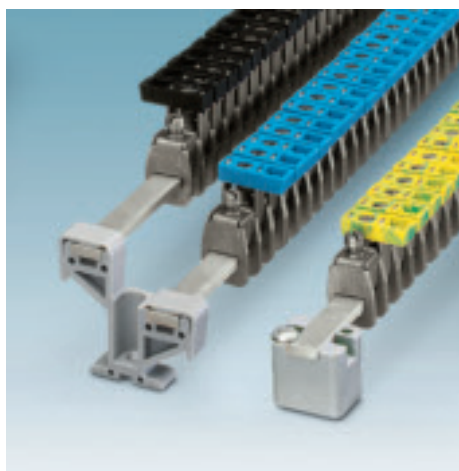
Width	Length	Height	
12	40	36	
I _{max.} [A]	Max. Ø [mm²]		AWG
125	0.75 - 35		18 - 2
IEC	UL / CUL	CSA	IEC/ EN 60079-7
125 / 35	- / -	- / -	-
Solid		Stranded	Ferrule without / with plastic sleeve
0.75 - 35		0.75 - 35	0.75 - 35 0.75 - 35
0.75 - 10		0.75 - 10	0.75 - 10 -
			0.75 - 10
General data			
15			
M6			
3.2 - 3.7			

Ordering data

Description	Color
Branch terminal block , for connection to copper bars up to 5 mm thick	Aluminum

Type	Order No.	Pcs. / Pkt.
AZK 35	0702997	10

L/N/PE connection terminal blocks

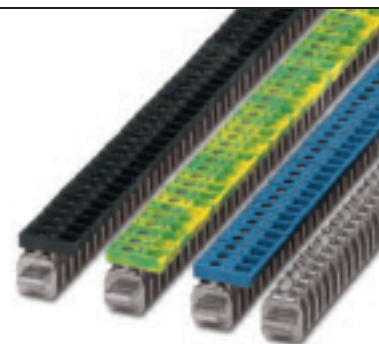


In electrical systems subject to the installation requirements stipulated in DIN VDE 0100 or IEC 60204-1 / EN 60204-1 / VDE 0113-1, neutral (N), protective earth (PE) or phase conductors (L) are often connected to central busbars. This requires clear labeling of the conductor or the terminal block to the corresponding circuit. The AKG connection terminal blocks fulfill these conditions in two ways:

- By marking each terminal block individually
- By their blue, green-yellow or black colored housings

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

¹⁾ Note the current carrying capacity of the busbars.



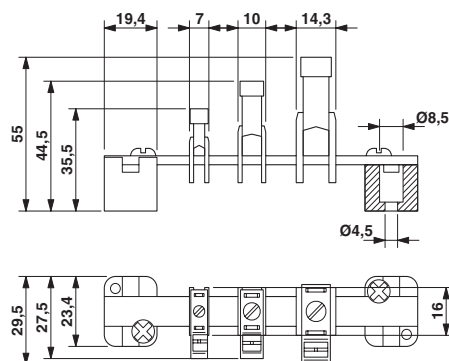
AK... 4 ...

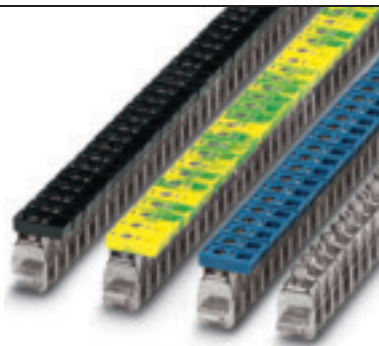


Dimensions	[mm]	Width	Length	Height	
		7	23.5	26	
Max. electrical data		I _{max} [A]		Max. Ø [mm²]	AWG
		41¹)		0.5 - 6	20 - 10
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	20 - 10	22-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

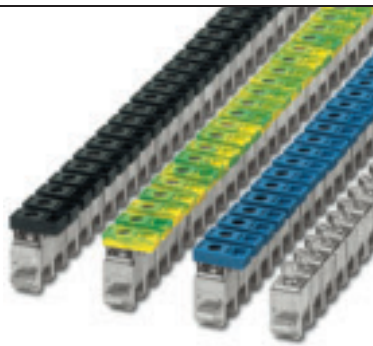
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Connecting terminal block , steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray	AK 4	0404017	50
Up to 6 mm ² solid, 7 mm wide	Blue	AKG 4 BU	0421016	50
Up to 6 mm ² solid, 7 mm wide	Green-yellow	AKG 4 GNYE	0421029	50
Up to 6 mm ² solid, 7 mm wide	Black	AKG 4 BK	0421032	50
Connecting terminal block , steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 16 mm ² solid, 10 mm wide	Blue			
Up to 16 mm ² solid, 10 mm wide	Green-yellow			
Up to 16 mm ² solid, 10 mm wide	Black			
Connecting terminal block , steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 35 mm ² solid, 14.3 mm wide	Blue			
Up to 35 mm ² solid, 14.3 mm wide	Green-yellow			
Up to 35 mm ² solid, 14.3 mm wide	Black			





AK ... 16 ...



AK... 35 ...



Width	Length	Height	
10.3	23.5	35	
I_{max} [A]	Max. Ø [mm²]	AWG	
76¹⁾	1.5 - 16	16 - 6	
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
16 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 6	1.5 - 6	-
			1.5 - 10
16			
M5			
2.5 - 3			
PA			
V2			



Width	Length	Height	
14.3	27	44	
I_{max} [A]	Max. Ø [mm²]	AWG	
125¹⁾	2.5 - 35	14 - 2	
IEC / EN	UL / CUL	CSA	IEC/ EN 60079-7
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
14 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 25	2.5 - 35	2.5 - 35
1.5 - 16	1.5 - 16	1.5 - 16	-
			1.5 - 10
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
AK 16	0404033	50
AKG 16 BU	0423014	50
AKG 16 GNYE	0423027	50
AKG 16 BK	0423030	50

Type	Order No.	Pcs. / Pkt.
AK 35	0404046	50
AKG 35 BU	0424013	50
AKG 35 GNYE	0424026	50
AKG 35 BK	0424039	50

Europe terminal blocks



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For more variants, see www.phoenixcontact.de/eshop.



EC 2,5 P TR

The Europe terminal blocks EC... P TR for conductors of up to 16 mm² are equipped with wire protection and are thus suitable even for fine strand conductors without ferrules. The insulating housing consists of halogen-free polyamide (PA). The high-quality metal parts with their corrosion-resistant surfaces are safely fixed in this housing.

Dimensions		Width	Length	Height
		16.2	93.6	13.4
Max. electrical data		I _{max} [A]	U _{max} [V]	Max. Ø [mm ²] AWG
		24	450	0.5 - 2.5 20 - 14
Rated data		IEC	UL / CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	450	300	-
Nominal current / cross-section	[A] / [mm ²]	24 / 2.5	20 / -	- / -
Rated cross-section	[mm ²]	2.5	-	-
Cross-section range	AWG	20 - 14	22-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm ²]	0.5 - 2.5	0.5 - 2.5	0.5 - 1.5 0.5 - 1
Two conductors (of the same type)	[mm ²]	0.5 - 0.75	0.5 - 0.75	-
Two stranded conductors with a TWIN ferrule	[mm ²]			0.5
General data				
Stripping length	[mm]	5		
Screw thread		M2,6		
Tightening torque	[Nm]	0.4 - 0.5		
Insulating material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos., with wire protection	Transparent	EC 2,5 P TR	3240167	10



EC 4 P TR



EC 6 P TR



EC 16 P TR



Width	Length	Height	
18.6	117	15	
I _{max} [A]	U _{max} [V]	Max. Ø [mm²]	AWG
32	450	0.75 - 4	18 - 12
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	- / -	-
4	-	-	-
18 - 12	20-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 4	0.75 - 4	0.5 - 2.5	0.5 - 2.5
0.75 - 1.5	0.75 - 1	0.5 - 1	-
			0.5 - 1
6			
M3			
0.5 - 0.6			
PA			
V2			



Width	Length	Height	
22.2	132.7	17.3	
I _{max} [A]	U _{max} [V]	Max. Ø [mm²]	AWG
41	450	1 - 6	16 - 10
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
16 - 10	14-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 6	1 - 6	0.75 - 4	0.75 - 4
0.75 - 2.5	0.75 - 1.5	0.75 - 1.5	-
			0.5 - 1
7			
M3,5			
0.8 - 1			
PA			
V2			



Width	Length	Height	
25.2	173.9	20.8	
I _{max} [A]	U _{max} [V]	Max. Ø [mm²]	AWG
76	450	6 - 16	10 - 6
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	- / -	-
16	-	-	-
10 - 6	10-6	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	-
			0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 4 P TR	3240171	10

Type	Order No.	Pcs. / Pkt.
EC 6 P TR	3240175	10

Type	Order No.	Pcs. / Pkt.
EC 16 P TR	3240182	10

Europe terminal blocks

The Europe terminal blocks EC...(BK) are suitable for solid and stranded conductors of up to 25 mm². Their prismatic clamping part ensures easy conductor entry such that even the conductors without ferrules are contacted safely.

The insulating housing consists of polypropylene and enables toolless disconnection of individual positions with a simple circular movement. The high-quality metal parts with their corrosion-resistant surfaces have been safely fixed in the housing.



EC 4 ...



EC 6 ...

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	16.6	94.9	13		18.9	116.5	14.9	
Max. electrical data		I _{max.} [A]	U _{max.} [V]	Max. Ø [mm ²]		I _{max.} [A]	U _{max.} [V]	Max. Ø [mm ²]	
		32	450	0.5 - 4		41	450	0.75 - 6	
				20 - 12				18 - 10	
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-	450	-	-	-
Nominal current / cross-section	[A] / [mm ²]	32 / 4	- / -	- / -	-	41 / 6	- / -	- / -	-
Rated cross-section	[mm ²]	4	-	-	-	6	-	-	-
Cross-section range	AWG	20 - 12	-	-	-	18 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm ²]	0.5 - 4	0.5 - 4	0.75 - 2.5 0.75 - 2.5		0.75 - 6	0.75 - 6	0.75 - 4 0.75 - 2.5	
Two conductors (of the same type)	[mm ²]	0.5 - 1	- 1	- -		0.75 - 1.5	0.75 - 1.5	0.5 - 1 -	
Two stranded conductors with a TWIN ferrule	[mm ²]			0.5				0.5 - 1	
General data									
Stripping length	[mm]	5							
Screw thread		M2,6							
Tightening torque	[Nm]	0.4 - 0.5							
Insulating material		PP							
Inflammability class acc. to UL 94		-							
Ordering data									
Description	Color	Type		Order No.	Pcs. / Pkt.	Type		Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos.	White	EC 4		3240168	10	EC 6		3240172	10
	Black	EC 4 BK		3240169	10	EC 6 BK		3240173	10



EC 10 ...



EC 16 ...



EC 25 ...

Width	Length	Height	
17.3	133.8	23.4	
I_{max} [A]	U_{max} [V]	Max. Ø [mm²]	AWG
57	450	1 - 10	16 - 8
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
16 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 10	1 - 10	1.5 - 6	1.5 - 4
1 - 2.5	1.5 - 2.5	0.75 - 1.5	-
			0.5 - 1.5
7			
M3,5			
0.8 - 1			
PP			
-			

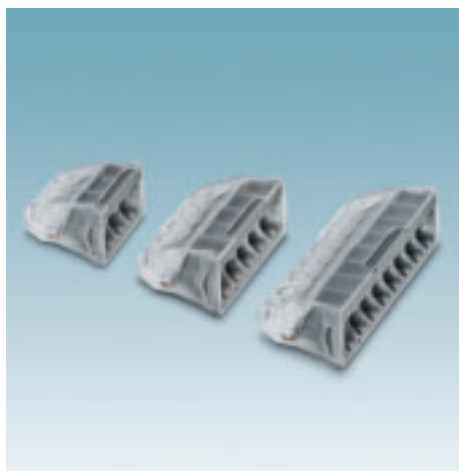
Width	Length	Height	
20.7	174.5	25	
I_{max} [A]	U_{max} [V]	Max. Ø [mm²]	AWG
76	450	1.5 - 16	14 - 6
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
14 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	2.5 - 16	2.5 - 10	2.5 - 10
2.5 - 4	2.5 - 4	1.5 - 2.5	-
			1 - 4
8			
M4			
1.2 - 1.5			
PP			
-			

Width	Length	Height	
30	187.3	28	
I_{max} [A]	U_{max} [V]	Max. Ø [mm²]	AWG
101	750	10 - 25	8 - 4
IEC	UL / CUL	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	- / -	- / -	-
25	-	-	-
8 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
10 - 25	10 - 25	4 - 16	4 - 10
4 - 6	4 - 6	2.5 - 4	-
			1.5 - 6
9			
M5			
2 - 3			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 10	3240176	10
EC 10 BK	3240177	10

Type	Order No.	Pcs. / Pkt.
EC 16	3240179	10
EC 16 BK	3240180	10

Type	Order No.	Pcs. / Pkt.
EC 25	3240183	10
EC 25 BK	3240184	10



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



JBC 2,5 ...

Thanks to their push-in connection method, the socket terminal blocks in the 3, 5 and 8-pos. variants from Phoenix Contact enable toolless wiring in minimum space. Solid single-strand conductors with cross-sections from 0.5 mm² to 2.5 mm² and solid multi-strand conductors (7 litz wires) with cross-sections from 1.5 mm² to 2.5 mm² can be safely connected. Different cross-sections can thus be wired in one socket terminal block.

The transparent housing facilitates visual inspection of the terminal points, thus increasing wiring safety. Integrated test openings enable the use of wired test devices.



Dimensions		Width	Length	Height
		17.2	15.6	8.9
Max. electrical data		I _{max} [A]	U _{max} [V]	Max. Ø [mm ²] AWG
		24	450	0.5 - 2.5 20 - 14
Rated data		IEC	UL / CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	450	600	- -
Nominal current / cross-section	[A] / [mm ²]	24 / 2.5	20 / -	- / - -
Rated cross-section	[mm ²]	2.5	-	- -
Cross-section range	AWG	20 - 14	20-16	- -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm ²]	0.5 - 2.5	-	- -
General data				
Stripping length	[mm]	8		
Insulating material		PC/PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug-in terminal block, 3-pos.	Transparent	JBC 2,5/3	3240164	100
5-pos.	Transparent	JBC 2,5/5	3240165	100
8-pos.	Transparent	JBC 2,5/8	3240166	50

PKB cable ties

Cable ties have been used for years for binding control lines and cables. The PKB cable ties can also be used for internal and external industrial applications under unfavorable conditions.

They are ideal for fixing cables and as an accessory for the cable markers WMTB, KMK 2 and KMK 4 from Phoenix Contact.

They are available in two designs:

- Transparent, for standard applications and
- Resistant to ultra-violet rays (black), for outdoor systems

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PKB ...

General data

Material	PA
Inflammability class acc. to UL 94	V2
Temperature range	-40 ... 85 [°C]

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, transparent				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Transparent	PKB 100X2,5	1005457	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Transparent	PKB 140X3,6	1005460	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Transparent	PKB 190X4,8	1005473	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Transparent	PKB 200X2,5	1005486	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Transparent	PKB 290X4,8	1005499	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Transparent	PKB 370X4,8	1005509	1000
Cable tie, resistant to UV rays, Black				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Black	PKB 100X2,5 BK	1005512	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Black	PKB 140X3,6 BK	1005525	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Black	PKB 190X4,8 BK	1005538	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Black	PKB 200X2,5 BK	1005541	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Black	PKB 290X4,8 BK	1005554	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Black	PKB 370X4,8 BK	1005567	1000